

**UNITED  
NATIONS**

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International Tribunal for the Prosecution  
of Persons Responsible for Serious  
Violations of International Humanitarian  
Law Committed in the Territory of the  
former Yugoslavia since 1991

Case No. IT-06-90-T

Date 17 November 2008

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**IN THE TRIAL CHAMBER**

**Before:** Judge Alphons Orie, Presiding  
Judge Uldis Ķinis  
Judge Elisabeth Gwaunza

**Registrar:** Mr. Hans Holthuis

**Date:** 17 November 2008

**THE PROSECUTOR**

v.

**ANTE GOTOVINA  
IVAN ČERMAK  
MLADEN MARKAČ**

***PUBLIC***

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**PROSECUTION'S MOTION TO ADMIT HV ARTILLERY  
DOCUMENTS INTO EVIDENCE AND  
TO ADD 36 HV ARTILLERY DOCUMENTS  
TO THE PROSECUTION'S 65 *TER* EXHIBIT LIST**

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**THE INTERNATIONAL CRIMINAL TRIBUNAL**  
**FOR THE FORMER YUGOSLAVIA**

**Case No. IT-06-90-T**

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**I. Introduction**

1. The Prosecution seeks admission of documents relevant to the use of artillery by the Croatian Army ("HV") during Operation Storm ("Artillery Documents") received from the Government of the Republic of Croatia ("Croatian Government") through various Requests for Assistance ("RFA's"). The Artillery Documents are relevant to the purpose and nature of HV artillery attacks during Operation Storm. A complete list of all Artillery Documents the Prosecution seeks to admit into evidence is attached hereto in Appendix A. Appendix A has been divided into 6 main categories (orders, target lists, maps, reports, intelligence materials and specification manuals) for ease of reference and in order to provide the Trial Chamber with a framework for evaluating the relevance and probative value of the Artillery Documents.

2. As the Trial Chamber is aware, the receipt of relevant documents from the Croatian Government has been slow, and is still ongoing. For this reason, some of the Artillery Documents are not on the Rule 65 *ter* exhibit list and the Prosecution seeks

leave to add these documents, identified in Appendix B, to the exhibit list. This portion of the Artillery Documents is hereafter referred to as the “Non-65 *ter* Documents”.<sup>1</sup>

## II. Discussion

### A. The Artillery Documents are Reliable, Relevant and Probative, and Satisfy the Threshold Standard for the Admission of Evidence

#### *The Artillery Documents are Reliable*

3. The Artillery Documents were all received directly from the Croatian Government in response to RFA’s, and bear indicia of authenticity and reliability that satisfy the threshold for admission.<sup>2</sup> Indeed, many such documents have already come into evidence from both the Defence and the Prosecution without objections to their reliability.<sup>3</sup>

#### *The Artillery Documents are Relevant and Probative of Issues in this Case*

4. The Artillery Documents are relevant to the allegations in Count 1 (Persecution), Count 2 (Deportation), Count 3 (Forcible Transfer), Counts 6 & 7 (Murder), Count 8 (Inhumane Acts) and Count 9 (Cruel Treatment), as well as the factual allegations in paragraphs 12-19, 21, 26-29, 35 and 37, of the Amended Joinder Indictment.

5. Overall, the Artillery Documents are relevant to and probative of the following issues in this case:

- the command, control and organizational structure of artillery units which participated in Operation Storm;
- the capability of HV artillery units (in terms of organization, weaponry, ammunition, communications, intelligence and logistical support);

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<sup>1</sup> All Non-65 *ter* Documents have been disclosed to the Defence.

<sup>2</sup> *Hadžihasanović & Kubura*, IT-01-47-T, Decision on the Public Amended Version of the Confidential Decision on the Admissibility of Certain Alleged Documents and Documents for Identification, 27 July 2004, para. 30 (holding that the fact that documents originate from official archives, were obtained through official requests for assistance, or are of an “official nature” are all indicia of reliability).

<sup>3</sup> D-204; D-205; D-793; D-810; D-844; P-496; P-881.

- the purpose of the artillery campaign during Operation Storm, including the planning of artillery activities, the selection and identification of targets for artillery fire and codes used to identify those targets in HV artillery documentation;
- the conduct of the artillery campaign during Operation Storm, including the deployment and composition of HV artillery units during Operation Storm, identification of the units responsible for firing on Knin and other civilian populated areas in the Krajina and objects hit by HV artillery weapons;
- the intelligence capabilities of the HV and information in the HV's possession regarding ARSK conduct, capabilities, positions, strengths and weaknesses prior to and during Operation Storm; and
- the motive, intent and pattern of artillery use by Croatian forces, including in prior and subsequent artillery operations

6. In addition to the foregoing, the Artillery Documents are relevant to and probative of Gotovina's intent in relation to Operation Storm, as communicated to his subordinates, and the overall objective sought to be achieved through the military operation, as well as his command and control over the artillery aspects of the operation. The Artillery Documents are further relevant to how Gotovina's intent and objective for Operation Storm were carried out by his subordinate commanders and the artillery units involved in Operation Storm.

7. A brief description of the relevance of each of the Artillery Documents is described in the table in Appendix A.

**B. Addition of the Non-65 *Ter* Documents to the Rule 65 *Ter* Exhibit List**

8. The Non-65 *ter* Documents are listed in Appendix B. They are a subset of the Artillery Documents set forth in Appendix A,<sup>4</sup> and are of the same character, relevance and probative value as the Artillery Documents in general. In Appendix B, the Non-65 *ter* Documents have likewise been divided into the same 6 categories as

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<sup>4</sup> For ease of reference, the Non-65 *ter* Documents are shaded in Appendix A.

the Artillery Documents (orders, target lists, maps, reports, intelligence materials and specification manuals) for ease of reference and in order to provide the Trial Chamber with the same framework for evaluating their relevance and probative value. The Non-65 *ter* Documents are comprised of 33 documents which were received by the Prosecution between May and December of 2007 and 3 documents which were received in May of 2008.

*The Prosecution has Good Cause to add the Non-65 Ter Documents to its Exhibit List*

9. The Prosecution has engaged in extensive efforts to obtain from the Croatian Government the documents that would be most relevant to the determination of the nature and purpose of the artillery campaign during Operation Storm.<sup>5</sup> Unfortunately, these efforts have been only partly successful; many of the most relevant documents are still missing<sup>6</sup> and, among those that have been provided, many have only been obtained recently.

10. The Prosecution has good cause to add the Non-65 *Ter* Documents to its exhibit list. In spite of the Prosecution's diligence in seeking relevant artillery documents, the Croatian Government has not produced the documents sought in a timely or satisfactory manner.<sup>7</sup> The Non-65 *Ter* Documents were received at various times between May 2007 and May 2008, after the Prosecution's Rule 65 *ter* filing. The Prosecution has diligently reviewed, disclosed, translated and assessed the relevance of these documents. As the Chamber is aware, many of the requested documents – including those anticipated to be most central to the issues relating to the use of artillery during Operation Storm – have still not been provided. However, in light of the stage of the proceedings, the Prosecution seeks to tender the relevant documents that it has received to date.

11. The addition of these documents to the exhibit list would not unfairly prejudice the Defence. The documents have been disclosed as they have been received and reviewed, and the Defence is well aware of the importance of relevant artillery documents to the Prosecution's case, as well as the Prosecution's

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<sup>5</sup> Prosecution's 54 *bis* Application, paras. 1-10, 15-16, 25, 29-35 and 54-60.

<sup>6</sup> *Id.*, paras. 43-53, Annex C.

<sup>7</sup> *Id.*

longstanding attempts to obtain these documents for use at trial. Moreover, the Non-65 *ter* Documents are similar in nature to the other Artillery Documents.

*The Non-65 Ter Documents are Relevant and Probative of Issues in this Case*

12. As noted above, the Non-65 *ter* Documents are of the same character, relevance and probative value as the Artillery Documents in general. They relate to the same matters and fall into the same categories as the Artillery Documents. However, in addition, the Non-65 *ter* Documents are relevant to and probative of the following specific issues in this case:

- the identification and selection of specific, non-military facilities in Knin and other civilian populated areas in the Krajina as pre-determined targets for artillery fire (e.g. hospitals, churches and residential complexes);
- the codes used by the HV to interpret orders, maps and target lists, request artillery support and report on targets engaged with artillery;
- conversations on 4 August 1995 between RSK President Milan Martić, ARSK Commander General Mile Mrkšić and others relating to the artillery attack on Knin;
- the use of Multiple Barrel Rocket Launchers (MBRL's) against Knin and other civilian populated areas in the Krajina; and
- specifications, including ranges of error, for artillery weapons in the possession of Croatian forces.

### **III. Relief Requested**

13. The Prosecution requests the Trial Chamber to:

- i. Allow the Prosecution to add the 36 documents identified in Appendix B to its Rule 65 *ter* exhibit list; and
- ii. Admit into evidence all documents listed in Appendix A.

Word Count: 1,405 words



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Stefan Waespi  
Senior Trial Attorney

Dated this 17<sup>th</sup> day of November 2008  
At The Hague, The Netherlands

**THE INTERNATIONAL CRIMINAL TRIBUNAL**  
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**APPENDIX A TO**

**PROSECUTION'S MOTION TO ADMIT HV ARTILLERY  
DOCUMENTS INTO EVIDENCE AND  
TO ADD 36 HV ARTILLERY DOCUMENTS  
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**HV ARTILLERY DOCUMENTS**

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**APPENDIX A**  
**HV ARTILLERY DOCUMENTS**

<b>Appendix A - HV Artillery Documents</b>							
Document Number	65 ter Number	Exhibit Number	Document Description	Date	Relevance	ORIGINAL ERN	English Translation
<b>Orders</b>							
1	4503		Order for logistics supply for Operation Storm	01-Aug-95	Ammunition supply to HV artillery units, including four combat sets to artillery units, three c/s to 4th and 7th Guards Brigades, 2nd Battalion of the 9th Guards Brigade and the 126th Home Guard Regiment	0609-2965-0609-2968	ET 0609-2965-0609-2976
2	4501		Order for artillery rocket support and plan of artillery activity for Operation Storm	01-Aug-95	Composition and disposition of the artillery-rocket groups and its ordered tasks, including that "Knin, Kistanje, Benkovac, Gracac and Drvar shall be subjected to direct artillery	0609-2991-0609-2994	ET 0609-2991-0609-2994
3	3119		Gotovina's Offensive Operation Order for Operation Storm	02-Aug-95	Composition and disposition of the artillery-rocket groups and its ordered tasks, including "putting the towns of Drvar, Knin, Benkovac, Obrovac and Gracac under artillery fire"	0342-2520-0342-2538	0342-2520-0342-2538-ET
4	3124		Attachment for the artillery to the Order to Attack for Operation Storm	02-Aug-95	Composition and disposition of the artillery-rocket groups and its ordered tasks, including to "shell the towns of Drvar, Knin, Benkovac, Obrovac, and Gracac"	0342-2548-0342-2551	0342-2548-0342-2551-ET-1
5	4506		Order to Attack of the 6th Home Guard Regiment for Operation Storm	02-Aug-95	Composition and disposition of the 6th Home Guard Regiment artillery assets, and its ordered tasks, including information on composition and disposition of opposing	0609-2698-0609-2704	ET 0609-2698-0609-2704
6	2217		Order for Attack of the 4th Guards Brigade for Operation Storm	03-Aug-95	Composition and disposition of the brigade and its ordered tasks, including artillery and air support assets, and information on composition and disposition of opposing ARSK forces and location of command	0279-8778-0279-8792	0279-8778-0279-8792-ET
7			Order for Attack of the Artillery and Rocket Battalion of the 4th Guards Brigade for Operation Storm	03-Aug-95	Composition and disposition of the artillery-rocket group and its ordered tasks, including information on composition and disposition of opposing ARSK forces and location of command elements	0609-3160-0609-3163	ET 0609-3160-0609-3163
8			Order for Attack of the MBRL (rocket) Battery of the Artillery Battalion of the 4th Guards Brigade for Operation Storm	03-Aug-95	Composition and disposition of the rocket group and its ordered tasks, including information on composition and disposition of opposing ARSK forces and location of command elements	0609-3164-0609-3166	ET 0609-3164-0609-3166
9	4509		Order for Attack of the 1st Howitzer Battery of the Artillery Battalion of the 4th Guards Brigade for Operation Storm	03-Aug-95	Composition and disposition of the howitzer battery and its ordered tasks, including information on composition and disposition of opposing ARSK forces and location of command elements	0610-1240-0610-1244	ET 0610-1240-0610-1244

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10			Order for Attack of the 7th Guards Brigade	03-Aug-95	Composition and disposition of the brigade and its ordered tasks, including artillery and rocket support assets, and information on composition and disposition of opposing ARSK forces and location of command	0614-0704-0614-0712	ET 0614-0704-0614-0712
11			Tabular and Textual part of Order for attack of the 7th Guards Brigade	03-Aug-95	Targets for artillery preparation fire, including fire numbers, and further artillery support tasks	0614-0713-0614-0714	ET 0614-0713-0614-0714
12	2211		Order for attack of the Operational Group Zadar for Operation Storm	03-Aug-95	Composition and disposition of the operational group and its ordered tasks, including to "lay down fire on the towns of Benkovac and Obrovac", and information on composition and disposition of opposing	0211-8050-0211-8057	L009-7877-L009-7893
13	2209		Attachment for artillery to Order for attack of the Operational Group Zadar for Operation Storm	03-Aug-95	Composition and disposition of the operational group artillery assets and its ordered tasks, including to "put the following towns under artillery fire: Benkovac, Obrovac	0279-8827-0279-8828	0279-8827-0279-8828-EDT
14	4524		Order for attack of the 7th Home Guard Regiment for Operation Storm	04-Aug-95	Composition and disposition of the artillery-rocket battalion and its tasks, including information on composition and disposition of opposing ARSK forces	0609-7532-0609-7541	ET 0609-7532-0609-7541
15			Order for further actions of the MBRL (rocket) Battery of the Artillery Battalion of the 4th Guards Brigade for Operation Storm	07-Aug-95	Composition and disposition of the rocket battery and its tasks, including firing on targets in the area of Srb	0609-3167-0609-3169	ET 0609-3167-0609-3169
16	4555		Order of Operational Group Zadar Commander to the 112th Brigade to take over a battery of 122mm D-30 Howitzers from MUP Special Police	07-Aug-95	Attachment of one howitzer battery of 122mm from 112th Brigade to the Ministry of Interior Special Police	0609-8480-0609-8481	ET 0609-8480-0609-8481
17	4570		Plan for further attack operations for the 1st Howitzer Battery of the Artillery Battalion of the 4th Guards Brigade for Operation Storm	08-Aug-95	Composition and disposition of the howitzer battery and its tasks, including firing on targets in the area of Srb	0610-1245-0610-1247	ET 0610-1245-0610-1247
18	5050		Offensive Development Plan for Operation Maestral	04-Sep-95	subsequent operation which does not identify towns in general as targets for artillery and rocket fire	0611-0699-0611-0718	ET 0611-0699-0611-0718
19	1072		Report on activities of 73rd Military Police Battalion for Operation Storm (includes Order for Attack of the Operational Group Šibenik)	09-Oct-95	Combat activities and movement of forces during Operation Storm, including orders for artillery support, coded maps and codes for communication.	0279-9612-0279-9677A	ET 0279-9612-0279-9677
20	4682		Proposal for use of artillery within Operational Group Sinj	undated	Composition and disposition of artillery assets of infantry brigades and regiments	0609-2693-0609-2697	ET 0609-2693-0609-2697
<b>Target Lists</b>							
21			Table of identified targets in Knin for HV firing positions from Karli, Ključ and Pakovo Selo	undated	List of pre-determined targets in Knin, including a church, an apartment block and hospital in Knin; Target code numbers (e.g. KV 610 for Knin Hospital) reported as fired upon in regular report of TS-4 artillery group	0634-7312-0634-7312	ET 0634-7312-0634-7312

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22			List of targets for artillery preparation fire in Knin	undated	List of pre-determined targets in Knin, including an apartment block and hospital in	0634-7307-0634-7311	0634-7307-0634-7311-ET
23	4678		Target list "Potop" for Operational Group Šibenik, TRS-2 (rocket-artillery group)	undated	List of pre-determined targets, includes entire villages, e.g. Varivode, Velika Promina, etc.	0609-7905-0609-7909	ET 0609-7905-0609-7909
24	4679		Target list for 142nd Home Guard Regiment	undated	List of pre-determined targets, includes "centre of village Dujici", "centre of village Kabici", "school at Razvode", "school at Raici Bibici", etc.	0609-7910-0609-7915	ET 0609-7910-0609-7915
25			Target list "Golub" for 113th Infantry Brigade	undated	List of pre-determined targets, includes "church in Cista Velike", "school in Medare", "church in Bribirska Glava", etc.	0610-1215-0610-1220	ET 0610-1215-0610-1216
26			Target list "Gradina" for 113th Infantry Brigade	undated	List of pre-determined targets, includes "school in Bratskovci", "church in Bribirska Glava", Kistanje village", "Kistanje church",	0610-1228-0610-1231	0610-1228-0610-1231-ET
<b>Maps</b>							
27			Coded Map "Rak" for artillery units in Operational Group Šibenik	04-Aug-95	Coded map for Split Military District, including Knin, Drnis, Kistanje. Shows coded matrix using alphanumeric locations and includes instructions that "map is to be used to indicate targets, search and guide artillery and mortar fire"	0610-1226	ET 0610-1226-0610-1226
28	5037		Plan of action for artillery units of the 4th & 7th Guards Brigades	04-Aug-95	Plan for firing MBRL's into Knin and deployment of HV artillery assets in support of the advance of the 4th & 7th Guards Brigades towards Knin	0610-1250	0610-1250-0610-1250
29	5046		Decision for the attack by Commander of the 4th Guards Brigade	04-05 Aug 95 (estimated)	Plan for attack and advance towards Knin by the 4th Guards Brigade, including deployment of HV guns and MBRL's. Indicates approval by Gotovina	0614-2403	0614-2403-0614-2403
30	5041		Decision for the attack by Commander of the 7th Guards Brigade	04-05 Aug 95 (estimated)	Plan for attack and advance towards Knin by the 7th Guards Brigade, including deployment of HV guns and MBRL's. Indicates approval by Gotovina	0614-2446	0614-2446-0614-2446
31			Coded Map "Ivancica"	04-08 Aug 95 (estimated)	Coded map showing locations of targets around Knin area, includes handwritten annotation over Knin "7th Gds Bde Puma 5-08-1995, 10 <sup>h</sup> "; Map used by 4th Guards Brigade (see Logbook, 65 ter 4680)	0614-2441	
32			Plan of activities for TRS (rocket-artillery groups) in Operational Group Šibenik	04-10 Aug 95 (estimated)	Shows locations of targets in localised area within Operational Group Šibenik's area of responsibility, includes tabular "List of targets for OG Šibenik" around area of Đevrske, Medare, Kistanje	0610-1224	ET 0610-1224-0610-1224
33	5042		Target map "Srečko" for MBRL 122mm (rocket) battery in Operational Group Zadar	04-10 Aug 95 (estimated)	Indicates target box areas for MBRL fire in and around the area of Obrovac	0614-2456	0614-2456-0614-2456

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34	5040		Plan of activities for the MBRL (rocket) battery for the advance towards Knin	04-10 Aug 95 (estimated)	Direction of HV advance towards Knin, including deployment of enemy (ARSK) artillery Northeast of Knin	0614-2333	0614-2333-0614-2333
35	5045		Deployment of HV and enemy (ARSK) forces in Operational Group Zadar	04-14 Aug 95	Deployment of HV and enemy (ARSK) forces in areas within responsibility of Operational Group Zadar, including town of	0614-2353	0614-2353-0614-2353
36			Decision for the attack by Commander of the 3rd Battalion of the 4th Guards Brigade	05-08 Aug 95	Deployment of HV forces, including artillery, and directions of advance through and from Knin towards Srb	0614-2345	
37	5043		Decision on intervention by Commander of the 4th Guards Brigade	06-08 Aug 95 (estimated)	Deployment of HV artillery to the area of Srb, including elements of the 112th & 113th Brigades. Indicates approval by Gotovina (signed by Ademi)	0610-1291	0610-1291-0610-1291
38			Plan of action for the 1st Howitzer Battery, 122mm D-30 TRS (artillery group)	07-Aug-95	Deployment of HV artillery towards Srb	0614-2335	
39			Coded Map "Poskok 93"	undated	Coded map with translated legend	0614-2311	ET 0614-2311-0614-2311
<b>Reports</b>							
<b>Operational Reports</b>							
40	4480		Report on establishment of 20th Artillery Battalion	20-Jun-95	Establishment of artillery battalion deployed during Operation Storm	0609-8495-0609-8498	ET 0609-8495-0609-8498
41			Daily report of TRS-2 (rocket-artillery group) of Operational Group North	25-Jul-95	Report on artillery activities of rocket-artillery group, including weapons used, ammunition expended and targets engaged, including firing MBRL's at "centre of Glamoč"	0611-0961-0611-0963	ET 0611-0961-0611-0963
42	401		Regular report (06.00) of Operational Group Sibenik	04-Aug-95	Indicates continuing artillery fire directed at pre-determined targets	0279-8871-0279-8871	0279-8871-0279-8871-EDT
43	447		Report (10.00) from Chief of Main Staff Červenko to President Tudjman	04-Aug-95	Use of HV Air Force (6 MIG-21 aircraft) to attack RSK radio relay station at Čelevac and railroad in Petrova Gora; "The city of Knin and the first defence lines of the 7 <sup>th</sup> Knin Corps in the area of Crvena-Zemlja-military drill ground, are under a strong artillery attack	0361-1010-0361-1011a	ET 0361-1010-0361-1011a
44	4511		Regular report (13.00) of the TS-4 (artillery group) signed by Commander, Bruno Milin	04-Aug-95	Reports artillery fire at pre-determined targets, including Knin Hospital (mentioned directly and as target KV 610, see target list 0634-7312-0634-7312), apartment block in Knin, Post Office in Knin, and general towns of Knin, Kistanje and Promina; Use of	0611-0832-0611-0835	ET 0611-0832-0611-0835
45	4512		Regular report (20.00) of the TS-4 (artillery group) signed by Commander, Bruno Milin	04-Aug-95	Reports artillery fire at pre-determined targets, including "in irregular intervals . . . at the general area of Knin", and at the general area of other towns; Use of number coded	0611-0836-0611-0838	ET 0611-0836-0611-0838

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46	392		Daily report on combat activities of Operational Group Zadar	04-Aug-95	HV artillery support provided to MUP Special Police forces by 130mm guns 122mm howitzers and "self-propelled MBRL"; artillery engaged Gračac "and the area behind	0279-8900-0279-8901	0279-8900-0279-8901-ET
47	4535		Regular report of the TS-4 (artillery group) signed by Commander, Bruno Milin	05-Aug-95	Reports artillery fire at pre-determined targets, including "at Knin" and at other towns in general; Use of target coordinates	0611-0839-0611-0842	ET 0611-0839-0611-0842
48	1684		Daily report (08.00) of the Split Military District, Forward Command Post Zadar	05-Aug-95	"There was no significant activity by the enemy last night"; "Units of the Zadar and Šibenik Operations Groups began at 0500 hours with artillery preparations to create conditions for the breakthrough of infantry units . . . everything is now proceeding	0279-8921-0279-8921	0279-8921-0279-8921-ET
49	4536		Regular report (16.05) of the TS-4 (artillery group) signed by Commander, Bruno Milin	05-Aug-95	Reports firing 162 shells of 130mm and 5 shells of 203mm between 05:00 and 16:00 hours	0611-0843-0611-0844	ET 0611-0843-0611-0844
50	1674		Regular report from the 7th Home Guard Regiment (a.k.a. Sector V)	05-Aug-95	Reports firing MBRLs at "school in Gornji Zemunik Gornji"; At 1710 hours, reports wounded being put into a truck at Ercegi and then firing at Ercegi with MBRLs	0279-8959-0279-8960	0279-8959-0279-8960-ET
51	4547		Regular report (16.05) of the TS-4 (artillery group) signed by Commander, Bruno Milin	06-Aug-95	Reports artillery fire at villages in general, including Ervenik, Palanka and Kistanje; Use of target coordinates	0611-0845-0611-0847	ET 0611-0845-0611-0847
52	4560		Regular report of the Operational Group Šibenik to the Split Military District, Forward Command Post Zadar	07-Aug-95	"We are not satisfied with regard to the protection of the houses. Large number of houses (owned by the Serb people) was destroyed in the combat activities."	0611-1055-0611-1056	ET 0611-1055-0611-1056
53	4575		Daily operations report of the 142nd Home Guard Regiment	09-Aug-95	Total expenditure of ammunition for the period of Operation Storm, including 360 MBRL (128mm) rockets	0609-7888-0609-7890	ET 0609-7888-0609-7890
54			Analysis of Operation Storm by Commander of the 4th Guards Brigade	14-Aug-95	By the start of Operation Storm, Knin was, in fact, in a hopeless situation and condemned to wait for the final blow to fall . . . it needs to be said that the enemy's front defence line was the slopes of the Knin Plešivica mountain, breached by bringing in of the 4th Guards Brigade, and the liberation of Knin was thus at hand. The use of an encircling manoeuvre and the capture of the dominant features in the vicinity of the town of Knin meant that street fighting was avoided, because the so-called RSK Army and the population evacuated on the night of day one"; Reports firing 118 MBRL 128mm rockets; 582	0613-1896-0613-1907	0613-1896-0613-1907-ET
55	4600		Summary report of the 134th Home Guard Regiment	23-Aug-95	Reports shelling of the "general area of Benkovac" by the Zadar Operational Group "without monitoring" and a communication asking "is anything falling on Benkovac?"	0609-7506-0609-7510	ET 0609-7506-0609-7510

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56	4636		Summary report of the Logistics Department of the HV Main Staff on logistical support for Operation Storm	18-Sep-95	Catalogue of logistical and materiel support to HV through Operation Storm, including weaponry deployed, ammunition expenditures, numbers of enemy bodies collected on the territory and report on overall effectiveness of logistical support	0609-8194-0609-8203	ET 0609-8194-0609-8203
57	4683		Summary report of the Artillery Battalion of the 15th Home Guard Regiment	undated	Reports more artillery fire on targets in the depth than on enemy's forward line; "artillery support was so successful that the enemy was not even able to launch artillery attacks along the axes of our advance but was forced instead to withdraw its forces virtually in	0609-8319-0609-8322	ET 0609-8319-0609-8322
<b>Logbooks</b>							
58	2367	P71 (different excerpt)	Excerpts of Operations Diary of the Split Military District: English Translation at pp. 1, 34, 42, 45, 50-51, 55, 73, 76, 79-82, 91, 93-100, 105-107, 109, 111-112, 115-116, 119-121, 128 and 133	25-Jul to 14 Sep 95	Entries indicating HV artillery fire into civilian populated areas and towns in general, including with MBRLs, seizure of artillery weapons to be used against civilian populated areas, participation of Gotovina in direct artillery commands and Rajcic orders to shell towns of Drvar, Petrovac, Oštrej, Velika and Mala Kamenica (as well as discussions of burning and looting by HV soldiers and Gotovina's order that UN movement be	0155-8825-0155-8924	ET 0155-8825-0155-8924 revised
59	385		Excerpts of Operations Diary of the Split Military District: English Translation at pp. 1, 4-10, 14, 16, 19-20, 22 and 25	04-17 Aug 95	Entries indicating transfer of self-propelled MBRL within the HV and firing artillery into a town "in selective intervals, in irregular time periods"	0155-8925-0155-8941	ET 0155-8925-0155-8941
60	4680		Operational Logbook (war diary) of the 4th Guards Brigade	26-Jul to 10 Aug 95	Records of firing at targets with coded names according to coded maps "Ivancica" (0614-2441) and "Bura" (0610-1213)	0609-8869-0609-8925	ET 0609-8869-0609-8925
61			War Journal of the 6th Home Guard Regiment	30-Jul to 15 Aug 95	Entries indicating HV artillery fire "pounding Chetnik stronghold" and broadcast of Ustaša song "Evo Zore, Evo Dana" when Obrovac	0609-2741-0609-2748	ET 0609-2741-0609-2748
62			Operations Diary of Operational Group Šibenik	04-07 Aug 95	Entries indicating HV artillery fire into civilian populated areas and towns in general, including use of MBRLs against Knin at 05:50 on 4 August 1995 and "north of the barracks in Knin at different time intervals" at 06:25 on 5 August 1995	0634-7283-0634-7306	ET 0634-7283-0634-7306
<b>Ammunition Expenditure Reports</b>							
63	4525		Artillery expenditure report of the 7th Home Guard Regiment	04-Aug-95	Expenditure of artillery during 4 August 1995, including 155 MBRL 128mm rockets	0609-7544-0609-7545	ET 0609-7544-0609-7545
64	4527		Artillery expenditure report of the 113th Infantry Brigade	04-Aug-95	Expenditure of artillery during 4 August 1995, including 124 MBRL 128 mm rockets	0609-7841-0609-7842	ET 0609-7841-0609-7842
65	4526		Artillery expenditure report of the 142nd Home Guard Regiment	04-Aug-95	Expenditure of artillery during 4 August 1995, including 230 MBRL 128mm rockets	0609-7870-0609-7871	ET 0609-7870-0609-7871
66	4538		Artillery expenditure report of the 7th Home Guard Regiment	05-Aug-95	Expenditure of artillery during 5 August 1995, including 136 MBRL 128mm rockets	0609-7546-0609-7547	ET 0609-7546-0609-7547

**APPENDIX A  
HV ARTILLERY DOCUMENTS**

67		Artillery expenditure report of the Artillery Battalion of the 4th Guards Brigade for 4-5 Aug 95	05-Aug-95	Expenditure of artillery during part of Operation Storm, including 248 MBRL 122mm rockets	0609-3170-0609-3171	ET 0609-3170-0609-3171
68		Artillery expenditure report of the Artillery Battalion of the 4th Guards Brigade for 6 Aug 95	06-Aug-95	Expenditure of artillery during part of Operation Storm, including 5 MBRL 122mm rockets (fired upon Plavno)	0609-3172-0609-3173	ET 0609-3172-0609-3173
69		Artillery expenditure report of the Artillery Battalion of the 4th Guards Brigade for 8 Aug 95	08-Aug-95	Expenditure of artillery during part of Operation Storm, including 112 MBRL 122mm rockets (fired upon the area of Srb)	0609-3174-0609-3175	ET 0609-3174-0609-3175
70	4580	Artillery expenditure report of the Artillery Battalion of the 4th Guards Brigade for the period 27 July to 9 Aug 95	10-Aug-95	Expenditure of artillery during part of Operation Storm, including 582 MBRL 122mm rockets and 888 D-30 122mm shells	0609-7473-0609-7475	ET 0609-7473-0609-7475
71	4578	Artillery expenditure report of the 134th Home Guard Regiment for 3-8	10-Aug-95	Expenditure of artillery during part of Operation Storm, including 160 MBRL	0609-7495-0609-7497	ET 0609-7495-0609-7497
72	4579	Artillery expenditure report of the 7th Home Guard Regiment during Operation Storm	10-Aug-95	Expenditure of artillery during Operation Storm, including 326 MBRL 128mm rockets	0609-7577-0609-7579	ET 0609-7577-0609-7579
73	4590	Artillery expenditure report of the Split Military District units on Šibenik-Zadar axis during Operation Storm	15-Aug-95	Expenditure of artillery during Operation Storm, including 2,100 MBRL 128mm rockets and 78 MBRL 122mm rockets; Discrepancies with other HV artillery	0609-0807-0609-0809	ET 0609-0807-0609-0809
74	4638	Report from the Split Military District of data for the analysis Operation Storm	15-Sep-95	Expenditure of artillery during Operation Storm, including 2,100 rockets of 128mm RAK and 250 MBRL 122mm rockets; Discrepancies with other HV artillery	0609-0775-0609-0779	ET 0609-0775-0609-0779
75		Report from the 306th Logistics Base to units of the Split Military District of data for the analysis Operation Storm	18-Sep-95	Expenditure of artillery during Operation Storm, including 1,406 MBRL 128mm rockets and 76 MBRL 122mm rockets; Discrepancies with other HV artillery	0611-1024-0611-1027	ET 0611-1024-0611-1027
<b>Replenishment Requests/ Receipts</b>						
76		Request for artillery equipment from the 14th Artillery Battalion	15-May-95	Indicates request for a laser range-finder, used for accurate determination of range distances for use in artillery fire support	0609-1396-0609-1397	ET 0609-1396-0609-1397
77		Split Military District, Forward Command Post Report on Armour in the Split Military District and Request for Replenishment of Armour Assets	23-Jul-95	Indicates the armoured assets of the Split Military District	0611-1210-0611-1213	ET 0611-1210-0611-1213
78	4493	Replenishment request from the 4th Guards Brigade	26-Jul-95	Indicates type and calibre of 4th Guards Brigade artillery assets, and usage and intended usage of ammunition, including 672 MBRL 128mm rockets and 960 MBRL	0609-3336-0609-3338	ET 0609-3336-0609-3338
79	4495	Replenishment request from the Split Military District to the HV Main Staff	30-Jul-95	Indicates type and calibre of HV artillery assets, and usage and intended usage of ammunition, including 500 MBRL 122mm	0609-0758-0609-0760	ET 0609-0758-0609-0760

**APPENDIX A  
HV ARTILLERY DOCUMENTS**

80	4507		Replenishment request from the 4th Guards Brigade	03-Aug-95	Indicates type and calibre of 4th Guards Brigade artillery assets, and usage and intended usage of ammunition, including 360 plus 120 MBRL 128mm rockets and 960 plus 320 MBRL 122mm rockets	0609-3339-0609-3341	ET 0609-3339-0609-3341
<b>INTELLIGENCE RELATED MATERIAL</b>							
81			HV Satellite image of Kastel Zegarski	01-Feb-95	Indicates intelligence capabilities of the HV and level of intelligence in its possession	0611-0770-0611-0774	ET 0611-0770-0611-0774
82			Order of Chief of the HV Main Staff, Janko Bobetko, regarding the use of satellite and aerial photography images by the Military Districts	02-Feb-95	Indicates intelligence capabilities of the HV and level of intelligence in its possession	0611-0768-0611-0769	ET 0611-0768-0611-0769
83			Intelligence report from the Split Military District to the Intelligence Department of the Main Staff	05-Jul-95	Indicates artillery fire against civilian populated towns in general (Glamoc)	0463-2958-0463-2960	0463-2958-0463-2960-ET
84			HV electronic surveillance report to the Intelligence Department of the Main Staff regarding a information received from radio intercepts	04-Aug-95	Indicates artillery fire against civilian populated towns in general (Benkovac and Obrovac)	0609-0538-0609-0540	ET 0609-0538-0609-0540
85	4518		HV electronic surveillance report to the Intelligence Department of the Main Staff regarding a radio intercept of Chief of ARSK Intelligence Mihajlo	04-Aug-95	Indicates artillery fire against civilian populated towns in general (Drnis, Benkovac, Obrovac and Gracac)	0609-1292-0609-1294	ET 0609-1292-0609-1294
86			HV electronic surveillance report to the Intelligence Department of the Main Staff regarding a information received from radio intercepts	05-Aug-95	Indicates artillery fire against civilian populated towns in general (Knin)	0609-0554-0609-0556	ET 0609-0554-0609-0556
87			HV Satellite image of Donja Bruska (training camp)	undated	Indicates intelligence capabilities of the HV and level of intelligence in its possession	0611-0775-0611-0779	ET 0611-0775-0611-0779
<b>SPECIFICATION MANUALS</b>							
88	4676		Specifications for HV artillery pieces, including firing ranges	N/A	Firing ranges for HV artillery pieces	0609-7843-0609-7844	ET 0609-7843-0609-7844
89			Excerpt of Technical Manual and Details for MBRL 128mm RAK	N/A	Indicates appropriate targets for MBRL fire, contains technical data and specifications of 128mm MBRL RAK system, including margins of error for different distances of fire	0614-0862-0614-0908	ET 0614-0862-0614-0908
90			Excerpt of Technical Manual and Details for 122mm M1938 Howitzer	N/A	howitzer, including firing range and appropriate targets	0631-0015-0631-0016	0631-0015-0631-0016-EDT
91			Excerpt of Technical Manual and Details for 155mm M1/M65 Howitzer	N/A	howitzer ammunition, including explanation of uses for contact-fuse and time-delay projectiles	0631-1437-0631-1438	0631-1437-0631-1438-EDT
92			Excerpt of Technical Manual and Details for 155mm M1 and M65	N/A	Firing Tables for 155mm M1 and M65 Howitzers, including specific margins of error	0631-1556-0631-1564	0631-1556-0631-1564-EDT
93			Excerpt of Technical Manual and Details for 203mm M2 Howitzer	N/A	Firing Tables for 203mm M2 Howitzer, including specific margins of error depending on distance	0631-3395-0631-3408	0631-3395-0631-3408-EDT

**THE INTERNATIONAL CRIMINAL TRIBUNAL**  
**FOR THE FORMER YUGOSLAVIA**

**Case No. IT-06-90-T**

**THE PROSECUTOR**

**v.**

**ANTE GOTOVINA**  
**IVAN ČERMAK**  
**MLADEN MARKAČ**

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**APPENDIX B TO**

**PROSECUTION'S MOTION TO ADMIT HV ARTILLERY  
DOCUMENTS INTO EVIDENCE AND  
TO ADD 36 HV ARTILLERY DOCUMENTS  
TO THE PROSECUTION'S 65 *TER* EXHIBIT LIST**

**HV ARTILLERY DOCUMENTS – NON 65 *TER* DOCUMENTS**

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1. Order for Attack of the Artillery and Rocket Battalion of the 4th Guards Brigade for Operation Storm (ERN ET 0609-3160-0609-3163, Provisional 65ter number 6114)
2. Composition and disposition of the rocket group and its ordered tasks, including information on composition and disposition of opposing ARSK forces and location of command elements (ERN ET 0609-3164-0609-3166, Provisional 65ter number 6115)
3. Composition and disposition of the brigade and its ordered tasks, including artillery and rocket support assets, and information on composition and disposition of opposing ARSK forces and location of command elements (ERN ET 0614-0704-0614-0712, Provisional 65ter number 6116)
4. Targets for artillery preparation fire, including fire numbers, and further artillery support tasks (ERN ET 0614-0713-0614-0714, Provisional 65ter number 6117)

5. Composition and disposition of the rocket battery and its tasks, including firing on targets in the area of Srb (ERN ET 0609-3167-0609-3169, Provisional 65ter number 6118)
6. Table of identified targets in Knin for HV firing positions from Karli, Klju~ and Pakovo Selo (ERN ET 0634-7312-0634-7312, Provisional 65ter number 6119)
7. List of targets for artillery preparation fire in Knin (ERN 0634-7307-0634-7311-ET, Provisional 65ter number 6120)
8. Target list "Golub"for 113th Infantry Brigade (ERN ET 0610-1215-0610-1216, Provisional 65ter number 6121)
9. Target list "Gradina"for 113th Inantry Brigade (ERN 0610-1228-0610-1231-ET, Provisional 65ter number 6122)
10. Coded Map "Rak" for artillery units in Operational Group [ibenik (ERN ET 0610-1226-0610-1226, Provisional 65ter number 6123)
11. Coded Map "Ivancica" (ERN 0614-2441, Provisional 65ter number 6124)
12. Plan of activities for TRS (rocket-artillery groups) in Operational Group [ibenik (ERN ET 0610-1224-0610-1224, Provisional 65ter number 6125)
13. Decision for the attack by Commander of the 3rd Battalion of the 4th Guards Brigade (ERN 0614-2345, Provisional 65ter number 6126)
14. Plan of action for the 1st Howitzer Battery, 122mm D-30 TRS (artillery group) (ERN 0614-2335, Provisional 65ter number 6127)
15. Coded Map "Poskok 93" (ERN 0614-2311, Provisional 65ter number 6128)
16. Daily report of TRS-2 (rocket-artillery group) of Operational Group North (ERN ET 0611-0961-0611-0963, Provisional 65ter number 6129)
17. Analysis of Operation Storm by Commander of the 4th Guards Brigade (ERN 0613-1896-0613-1907-ET, Provisional 65ter number 6130)
18. War Journal of the 6th Home Guard Regiment (ERN ET 0609-2741-0609-2748, Provisional 65ter number 6131)
19. Operations Diary of Operational Group [ibenik (ERN ET 0634-7283-0634-7306, Provisional 65ter number 6132)
20. Artillery expenditure report of the Artillery Battalion of the 4th Guards Brigade for 4-5 Aug 95 (ERN ET 0609-3170-0609-3171, Provisional 65ter number 6133)
21. Artillery expenditure report of the Artillery Battalion of the 4th Guards Brigade for 6 Aug 95 (ERN ET 0609-3172-0609-3173, Provisional 65ter number 6134)
22. Artillery expenditure report of the Artillery Battalion of the 4th Guards Brigade for 8 Aug 95 (ERN ET 0609-3174-0609-3175, Provisional 65ter number 6135)
23. Report from the 306th Logistics Base to units of the Split Military District of data for the analysis Operation Storm (ERN ET 0611-1024-0611-1027, Provisional 65ter number 6136)

24. Request for artillery equipment from the 14th Artillery Battalion (ERN ET 0609-1396-0609-1397, Provisional 65ter number 6137)
25. Split Military District, Forward Command Post Report on Armour in the Split Military District and Request for Replenishment of Armour Assets (ERN ET 0611-1210-0611-1213, Provisional 65ter number 6138)
26. HV Satellite image of Kastel Zegarski (ERN ET 0611-0770-0611-0774, Provisional 65ter number 6139)
27. Order of Chief of the HV Main Staff, Janko Bobetko, regarding the use of satellite and aerial photography images by the Military Districts (ERN ET 0611-0768-0611-0769, Provisional 65ter number 6140)
28. Intelligence report from the Split Military District to the Intelligence Department of the Main Staff (ERN 0463-2958-0463-2960-ET, Provisional 65ter number 6141)
29. HV electronic surveillance report to the Intelligence Department of the Main Staff regarding a information received from radio intercepts (ERN ET 0609-0538-0609-0540, Provisional 65ter number 6142)
30. HV electronic surveillance report to the Intelligence Department of the Main Staff regarding a information received from radio intercepts (ERN ET 0609-0554-0609-0556, Provisional 65ter number 6143)
31. HV Satellite image of Donja Bruska (training camp) (ERN ET 0611-0775-0611-0779, Provisional 65ter number 6144)
32. Excerpt of Technical Manual and Details for MBRL 128mm RAK (ERN ET 0614-0862-0614-0908, Provisional 65ter number 6145)
33. Excerpt of Technical Manual and Details for 122mm M1938 Howitzer (ERN 0631-0015-0631-0016-EDT, Provisional 65ter number 6146)
34. Excerpt of Technical Manual and Details for 155mm M1/M65 Howitzer (ERN 0631-1437-0631-1438-EDT, Provisional 65ter number 6147)
35. Excerpt of Technical Manual and Details for 155mm M1 and M65 Howitzers (ERN 0631-1556-0631-1564-EDT, Provisional 65ter number 6148)
36. Excerpt of Technical Manual and Details for 203mm M2 Howitzer (ERN 0631-3395-0631-3408-EDT, Provisional 65ter number 6149)

APPENDIX B  
NON-65 TER DOCUMENTS

**Appendix B - Non-65 Ter Documents**

Document Number	65 ter Number	Exhibit Number	Document Description	Date	Relevance	ORIGINAL ERN	English Translation
<b>Orders</b>							
1	6114		Order for Attack of the Artillery and Rocket Battalion of the 4th Guards Brigade for Operation Storm	03-Aug-95	Composition and disposition of the artillery-rocket group and its ordered tasks, including information on composition and disposition of opposing ARSK forces and location of command elements	0609-3160-0609-3163	ET 0609-3160-0609-3163
2	6115		Order for Attack of the MBRL (rocket) Battery of the Artillery Battalion of the 4th Guards Brigade for Operation Storm	03-Aug-95	Composition and disposition of the rocket group and its ordered tasks, including information on composition and disposition of opposing ARSK forces and location of command elements	0609-3164-0609-3166	ET 0609-3164-0609-3166
3	6116		Order for Attack of the 7th Guards Brigade	03-Aug-95	Composition and disposition of the brigade and its ordered tasks, including artillery and rocket support assets, and information on composition and disposition of opposing ARSK forces and location of command elements	0614-0704-0614-0712	ET 0614-0704-0614-0712
4	6117		Tabular and Textual part of Order for attack of the 7th Guards Brigade	03-Aug-95	Targets for artillery preparation fire, including fire numbers, and further artillery support tasks	0614-0713-0614-0714	ET 0614-0713-0614-0714
5	6118		Order for further actions of the MBRL (rocket) Battery of the Artillery Battalion of the 4th Guards Brigade for Operation Storm	07-Aug-95	Composition and disposition of the rocket battery and its tasks, including firing on targets in the area of Srb	0609-3167-0609-3169	ET 0609-3167-0609-3169
<b>Target Lists</b>							
6	6119		Table of identified targets in Knin for HV firing positions from Karli, Ključ and Pakovo Selo	undated	List of pre-determined targets in Knin, including a church, an apartment block and hospital in Knin; Target code numbers (e.g. KV 610 for Knin Hospital) reported as fired upon in regular report of TS-4 artillery group (see 65 ter 4511)	0634-7312-0634-7312	ET 0634-7312-0634-7312
7	6120		List of targets for artillery preparation fire in Knin	undated	List of pre-determined targets in Knin, including an apartment block and hospital in Knin.	0634-7307-0634-7311	0634-7307-0634-7311-ET
8	6121		Target list "Golub" for 113th Infantry Brigade	undated	List of pre-determined targets, includes "church in Cista Velike", "school in Medare", "church in Bribirska Glava", etc.	0610-1215-0610-1220	ET 0610-1215-0610-1216

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<b>9</b>	6122		Target list "Gradina" for 113th Infantry Brigade	undated	List of pre-determined targets, includes "school in Bratiskovci", "church in Bribirska Glava", Kistanje village", "Kistanje church", etc.	0610-1228-0610-1231	0610-1228-0610-1231-ET
<b>Maps</b>							
<b>10</b>	6123		Coded Map "Rak" for artillery units in Operational Group Šibenik	04-Aug-95	Coded map for Split Military District, including Knin, Drnis, Kistanje. Shows coded matrix using alphanumeric locations and includes instructions that "map is to be used to indicate targets, search and guide artillery and mortar fire"	0610-1226	ET 0610-1226-0610-1226
<b>11</b>	6124		Coded Map "Ivancica"	04-08 Aug 95 (estimated)	Coded map showing locations of targets around Knin area, includes handwritten annotation over Knin "7th Gds Bde Puma 5-08-1995, 10 <sup>h</sup> "; Map used by 4th Guards Brigade (see Logbook, 65 ter 4680)	0614-2441	
<b>12</b>	6125		Plan of activities for TRS (rocket-artillery groups) in Operational Group Šibenik	04-10 Aug 95 (estimated)	Shows locations of targets in localised area within Operational Group Šibenik's area of responsibility, includes tabular "List of targets for OG Šibenik" around area of Đevrske, Medare, Kistanje	0610-1224	ET 0610-1224-0610-1224
<b>13</b>	6126		Decision for the attack by Commander of the 3rd Battalion of the 4th Guards Brigade	05-08 Aug 95	Deployment of HV forces, including artillery, and directions of advance through and from Knin towards Srb	0614-2345	
<b>14</b>	6127		Plan of action for the 1st Howitzer Battery, 122mm D-30 TRS (artillery group)	07-Aug-95	Deployment of HV artillery towards Srb	0614-2335	
<b>15</b>	6128		Coded Map "Poskok 93"	undated	Coded map with translated legend	0614-2311	ET 0614-2311-0614-2311
<b>Reports</b>							
<b>Operational Reports</b>							
<b>16</b>	6129		Daily report of TRS-2 (rocket-artillery group) of Operational Group North	25-Jul-95	Report on artillery activities of rocket-artillery group, including weapons used, ammunition expended and targets engaged, including firing MBRL's at "centre of Glamoč"	0611-0961-0611-0963	ET 0611-0961-0611-0963

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17	6130		Analysis of Operation Storm by Commander of the 4th Guards Brigade	14-Aug-95	"By the start of Oluja 95, Knin was, in fact, in a hopeless situation and condemned to wait for the final blow to fall . . . it needs to be said that the enemy's front defence line was the slopes of the Knin Plešivica mountain, breached by bringing in of the 4th Guards Brigade, and the liberation of Knin was thus at hand. The use of an encircling manoeuvre and the capture of the dominant features in the vicinity of the town of Knin meant that street fighting was avoided, because the so-called RSK Army and the population evacuated on the night of day one"; Reports firing 118 MBRL 128mm rockets; 582 MBRL 122mm rockets and 888 shells of 122mm D-30	0613-1896-0613-1907	0613-1896-0613-1907-ET
<b>Logbooks</b>							
18	6131		War Journal of the 6th Home Guard Regiment	30 Jul to 15 Aug 95	Entries indicating HV artillery fire "pounding Chetnik stronghold" and broadcast of Ustaša song "Evo Zore, Evo Dana" when Obrovac fell	0609-2741-0609-2748	ET 0609-2741-0609-2748
19	6132		Operations Diary of Operational Group Šibenik	04-07 Aug 95	Entries indicating HV artillery fire into civilian populated areas and towns in general, including use of MBRLs against Knin at 05:50 on 4 August 1995 and "north of the barracks in Knin at different time intervals" at 06:25 on 5 August 1995	0634-7283-0634-7306	ET 0634-7283-0634-7306
<b>Ammunition Expenditure Reports</b>							
20	6133		Artillery expenditure report of the Artillery Battalion of the 4th Guards Brigade for 4-5 Aug 95	05-Aug-95	Expenditure of artillery during part of Operation Storm, including 248 MBRL 122mm rockets	0609-3170-0609-3171	ET 0609-3170-0609-3171
21	6134		Artillery expenditure report of the Artillery Battalion of the 4th Guards Brigade for 6 Aug 95	06-Aug-95	Expenditure of artillery during part of Operation Storm, including 5 MBRL 122mm rockets (fired upon Plavno)	0609-3172-0609-3173	ET 0609-3172-0609-3173
22	6135		Artillery expenditure report of the Artillery Battalion of the 4th Guards Brigade for 8 Aug 95	08-Aug-95	Expenditure of artillery during part of Operation Storm, including 112 MBRL 122mm rockets (fired upon the area of Srb)	0609-3174-0609-3175	ET 0609-3174-0609-3175
23	6136		Report from the 306th Logistics Base to units of the Split Military District of data for the analysis Operation Storm	18-Sep-95	Expenditure of artillery during Operation Storm, including 1,406 MBRL 128mm rockets and 76 MBRL 122mm rockets; Discrepancies with other HV artillery expenditure reports	0611-1024-0611-1027	ET 0611-1024-0611-1027
<b>Replenishment Requests/ Receipts</b>							

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<b>24</b>	6137		Request for artillery equipment from the 14th Artillery Battalion	15-May-95	Indicates request for a laser range-finder, used for accurate determination of range distances for use in artillery fire support	0609-1396-0609-1397	ET 0609-1396-0609-1397
<b>25</b>	6138		Split Military District, Forward Command Post Report on Armour in the Split Military District and Request for Replenishment of Armour Assets	23-Jul-95	Indicates the armoured assets of the Split Military District	0611-1210-0611-1213	ET 0611-1210-0611-1213
<b>INTELLIGENCE RELATED MATERIAL</b>							
<b>26</b>	6139		HV Satellite image of Kastel Zegarski	01-Feb-95	Indicates intelligence capabilities of the HV and level of intelligence in its possession	0611-0770-0611-0774	ET 0611-0770-0611-0774
<b>27</b>	6140		Order of Chief of the HV Main Staff, Janko Bobetko, regarding the use of satellite and aerial photography images by the Military Districts	02-Feb-95	Indicates intelligence capabilities of the HV and level of intelligence in its possession	0611-0768-0611-0769	ET 0611-0768-0611-0769
<b>28</b>	6141		Intelligence report from the Split Military District to the Intelligence Department of the Main Staff	05-Jul-95	Indicates artillery fire against civilian populated towns in general (Glamoc)	0463-2958-0463-2960	0463-2958-0463-2960-ET
<b>29</b>	6142		HV electronic surveillance report to the Intelligence Department of the Main Staff regarding a information received from radio intercepts	04-Aug-95	Indicates artillery fire against civilian populated towns in general (Benkovac and Obrovac)	0609-0538-0609-0540	ET 0609-0538-0609-0540
<b>30</b>	6143		HV electronic surveillance report to the Intelligence Department of the Main Staff regarding a information received from radio intercepts	05-Aug-95	Indicates artillery fire against civilian populated towns in general (Knin)	0609-0554-0609-0556	ET 0609-0554-0609-0556
<b>31</b>	6144		HV Satellite image of Donja Bruska (training camp)	undated	Indicates intelligence capabilities of the HV and level of intelligence in its possession	0611-0775-0611-0779	ET 0611-0775-0611-0779
<b>SPECIFICATION MANUALS</b>							
<b>32</b>	6145		Excerpt of Technical Manual and Details for MBRL 128mm RAK	N/A	Indicates appropriate targets for MBRL fire, contains technical data and specifications of 128mm MBRL RAK system, including margins of error for different distances of fire	0614-0862-0614-0908	ET 0614-0862-0614-0908
<b>33</b>	6146		Excerpt of Technical Manual and Details for 122mm M1938 Howitzer	N/A	Specifications for the 122mm M1938 howitzer, including firing range and appropriate targets	0631-0015-0631-0016	0631-0015-0631-0016-EDT
<b>34</b>	6147		Excerpt of Technical Manual and Details for 155mm M1/M65 Howitzer	N/A	Specifications for the 155mm M1/M65 howitzer ammunition, including explanation of uses for contact-fuse and time-delay projectiles	0631-1437-0631-1438	0631-1437-0631-1438-EDT
<b>35</b>	6148		Excerpt of Technical Manual and Details for 155mm M1 and M65 Howitzers	N/A	including specific margins of error depending on distance	0631-1556-0631-1564	0631-1556-0631-1564-EDT

**APPENDIX B  
NON-65 TER DOCUMENTS**

<b>36</b>	<i>6149</i>		Excerpt of Technical Manual and Details for 203mm M2 Howitzer	N/A	Firing Tables for 203mm M2 Howitzer, including specific margins of error depending on distance	0631-3395-0631-3408	0631-3395-0631-3408-EDT
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**1**

OG /Operations Group/ NORTH

4<sup>TH</sup> Guard Brigade

DEFENCE

Command of the TRD /Artillery and Rocket Battalion/

MILITARY SECRET

V. Obljaj, 03 August 1995

STRICTLY CONFIDENTIAL

## ORDER FOR ATTACK

Map 1:50000

Sections: DRVAR 3, 4

SPLIT 1, 2

### 1. ENEMY

On our brigade's direction of attack, the line of defence is held by forces of the 7<sup>th</sup> KK /Krajina Corps/, specifically the Special Forces Corps and the 101<sup>st</sup> Sabotage Detachment, as well as a reinforced battalion which has come to the area with its support and armour.

The line currently held by the enemy is the following:

- Vrankovići – tt /trig point/ 1065 – tt 1124 – Kuk tt 1130 – Javorova Glava tt 883 – Samar tt 1238 – Iгла tt 1284 – Lazaret – tt 1292 – tt 1075 – Grgić tt 1429.

Use of the following means of support has been spotted:

- area of Četnik near elevation point 953.....MB /mortar/ 120 mm
- area of Brezovac, in front of tt 1075.....MB 82 mm

From the KAG /Corps Artillery Group/, the enemy has deployed to PP /firing position/ Suhopolje a platoon of TH /heavy howitzers/ 152 mm and a platoon of T /cannons/ 130 mm and to the firing range Crvena Zemlja a platoon of TH /heavy howitzers/ 152 mm, a platoon of T 130 mm and a battery of 120 mm.

Fire from an enemy VBR /multiple-rocket launcher/ from Vrpolje has been noticed.

The enemy has also used air-force.

The ZM /Command Post/ of the 7<sup>th</sup> KK is in Knin at the former HQ building, which is also the location of the communications centre.

The IZM /forward command post/ of the Corps is on the line Stara Straža – Pađane.

On the basis of the information gathered so far, the 7<sup>th</sup> KK, in addition to the means of support and the brigade-artillery, has at its disposal the following KVS /abbreviation unknown/:

- a battalion of TH 152 mm
- a battalion of H /howitzers/ 155 mm
- a battalion of T /cannons/ 130 mm
- a rocket battalion (4 SVLR /self-propelled multiple-rocket launchers/ “Oganj” and 2 SVLR “Orkan”)

Reserve for use on the direction C. Zemlja – Suhopolje is located at Golubić.

## 2. OUR FORCES

During the 1<sup>st</sup> phase of the attack, provide artillery – rocket support of the 7<sup>th</sup> GBR /Guards Brigade/ and follow the combat deployment of the 7<sup>th</sup> GBR in readiness for introduction upon the execution of specific tasks of the 7<sup>th</sup> gbr.

In the 2<sup>nd</sup> phase, introduce forces for the attack Golubičko Suvo Polje – Golubić – Žagrović.

Assume the route Knin – Strmica in the area of Golubić.

In the 3<sup>rd</sup> phase, do a decisive strike to break the enemy on all directions of the attack.

Brigade ZM /Command Post/ in the village of Luka.

7<sup>th</sup> GBR does attack operations on the left, and the 81<sup>st</sup> GB /Guards Battalion/ does vital defence on the right.

Brigade commander has decided to group the main forces on the line Golubičko Suvo Polje – Golubić – Žagrović.

Upon reaching the line, start defence, being ready for further b/d /combat operations/ if ordered.

3. Our battalion in the role of the BrTRS /brigade artillery-rocket group/ consisting of a battery of 122-mm D-30 (4 weapons), a battery of 105-mm BM-56 (4 weapons) + howitzer battery 122-mm M-38 (one piece), a battery of MBRL 122-mm BM-21 (4 pieces) has the task of providing support for forces of the 7<sup>th</sup> GBR until reaching the positions predicted for the 7<sup>th</sup> GBR in the 1<sup>st</sup> phase of the attack, to

ensure the introduction of forces of our brigade on the line Golubičko Suvo Polje – Golubić – Žagrović.

a) in the artillery preparation of the attack

Neutralize targets at the front end of the defence, enemy artillery, targets along the range, specifically: - enemy infantry on Igla, Samar, Visibaba, Borova Glava Plješevica,

- enemy artillery in the area of G. Suvo Polje - Lazaret

Artillery preparation last 20 minutes and we have approval for use of ammunition of 1.5 b/k.

b) In the artillery support of the attack

- provide support of forces of the 7<sup>th</sup> GBR on their request and on request of our reconnaissance troops and IG /reconnaissance group/

- prepare NZV /abbreviation unknown/ on the road Suvo Polje – Golubičko Suvo Polje

- support the introduction of forces of the 4<sup>th</sup> GBR

provide support of forces of 4<sup>th</sup> GBR upon request

The approved use is 2.5 b/k

#### 4. Basic PPs /firing positions/ of the BrTRS

- a battery of 105-mm M-56 in the area of Cvjetići – Tavani, AzOP /Azimuth?/ - 41-00, 35-00

- a battery of 122-mm D-30 in the area of Samardžijina Kuća, azOP 43-00

- as battery of SVLR 122 mm BM-21 – 1. r. Grlo

2. r. Dmitrovići

3. r. Korita

4. r. Bilbije

Artillery battalion command post in the village of V. Obljaj.

Logistic stations of the battalion in the village of V. Obljaj.

Main observation post – Bat tt 1406

Next observation post – Igla tt 1284

- Plješivica tt 1148

PP /firing position/ no 1 in the area of Risovac is Rađi do.

Moving to PP /firing position/ no1 will be done in sections and on my order.

Firing zone of the Artillery Battalion – Kurelj on the right

- Orljaj on the left

Observation zone the same as firing zone.

Area of special attention: Golubičko Suvo Polje – Golubić

5. Correction to be done on the first target

Readiness for action by 04:00 on 04. August 1995.

Readiness of communication lines by 03:30 on 04. August 1995.

Numbering of targets of the BrTRS by the position map.

Use of ammunition: - approved – 4 b/k

- for preparation – 1.5 b/k

- for support – 2.5 b/k

6. Upon execution of the specific task, do the move to the PP /firing position/ no1 on my order. The same goes for the other elements of the b/r /combat deployment/

The move will be done in sections, because of constant support of canalized soil.

Responsible for the delivery of ammunition to basic PPs /firing positions/ and to the PP no1 is commander of the logistic platoon, commander of the technical supply squad, and the assistant commander for logistics.

Reconnaissance of the routes for delivery of ammunition, food and other supplies to be done on time.

7. TSP /abbreviation unknown/ to be done by the map.

8. Engineering works on the PPs /firing positions/ to be arranged in coordination with chief of engineering section and the commander of engineering company.

9. Signals – by the signal-table.

10. Reports to be delivered: - on assumption of PPs – immediately

- on readiness – by 03:45 on 04. 08. 1995

- regular reports as needed

BŠ/JB /abbreviations unknown/

COMMANDER

Major

Ivica DUVANČIĆ

/signature/

/stamp:

This is to certify that this copy - photocopy  
is identical to the original document.

In Zagreb, on 25. 04. 2007

Certified by:/

/round stamp:

THE REPUBLIC OF CROATIA

MINISTRY OF DEFENCE

ZAGREB/

UNREVISED

**2**

122 MM SVLR /Self-propelled multiple rocket launcher/ BATTERY  
 THE VILLAGE OF DMITROVIĆI, 3<sup>rd</sup> AUGUST 1995

ORDER FOR ATTACK

Map 1:50,000

Section DRVAR 3, 4

SPLIT 1, 2

1. ENEMY

The defence line on the axis of attack of our Brigade is held by the forces from the 7<sup>th</sup> K.K. /Krajina Corps/ formations as follows: special-purpose forces and 101<sup>st</sup> Sabotage Detachment, as well as one reinforced battalion that has come to the said area with its formations providing support and armoured formations.

The line currently occupied by the enemy is running along the following facilities: Vrankovići – tt. /trig point/ 1065 – tt. 1124 – Kuk tt. 1130 – Javorova glava tt. 883 – Samar tt. 1238 – Igla tt. 1284 – Lazaret – tt. 1292 – tt. 1075 – Grgić 1429.

It has been observed that out of the weapons providing support, the following were engaged:

The Chetnik area, near the feature 953 ....., 120 mm MB /mortar/  
 Brezovica area, in front of the tt. 1075 ,..... 82 mm MB

From the KAG /Corps Artillery Group/, the enemy has relocated the TH-152 mm Platoon and T-130 mm Platoon to the Suhopolje P.P. /firing position/ and TH-152 mm Platoon, T-130 mm Platoon, 120 mm Battery to the Crvena Zemlja polygon.

It has been observed that the enemy was opening fire from the VBR /multiple rocket launcher/ from the area of Vrpolje.

The enemy was also using the air force.

The ZM/ Command Post/ of the 7<sup>th</sup> KK /Krajina Corps/ is located in Knin, in the building of the former Command in which it also has its communications centre.

The Corps IZM /Forward Command Post/ is located within the range of Stara Straža – Pađane.

Based on the present information, the 7<sup>th</sup> Krajina Corps has, in addition to the support equipment and brigade artillery, the KVS /abbreviation unknown/ of the following strength:

- TH 152 mm Battalion;

- H 155 mm Battalion
- T 130 mm Battalion
- Rocket Battalion (4 SVLR /self-propelled multiple rocket launcher/ of “Oganj” type and 2 SVLR of “Orkan” type).

The reserve formations to be put into action on the C. Zemlja – Suhopolje direction is in Golubić.

## 2. OUR FORCES

During the first phase of the attack, provide artillery and rocket support to the 7<sup>th</sup> GBR /Guards Brigade/ and monitor the combat disposition of the 7<sup>th</sup> Guards Brigade and be in readiness to be put into action upon the fulfilment of the immediate task of the 7<sup>th</sup> Guards Brigade.

In the second phase, bring in the forces for the attack /on/ the Golubičko Suvo Polje – Golubić - Žagrović direction and take hold of the Knin – Strmica road in the Golubić area.

In the third phase, rout the enemy in an decisive attack along all axes of attack. The Command Post of the Brigade is in the village of Luka.

The 7<sup>th</sup> Guards Brigade carries out the offensive operations on the left and the 81<sup>st</sup> Guards Battalion puts up the decisive defence on the right side. The Brigade Commander decided to group main forces along the: Golubičko Suvo Polje – Golubić - Žagrović direction.

Upon reaching the line, transform to defence and be in readiness for further offensive operations upon the order.

3. The battery from the BrTS /abbreviation unknown/ formations has the task to provide support to the forces of the 7<sup>th</sup> Guards Brigade prior to reaching positions planned for the 7<sup>th</sup> Guards Brigade in the first phase of the attack, and to secure putting into action of our Brigade on the Golubičko Suvo Polje – Golubić - Žagrović direction.
  - a) In the artillery preparations for the attack, the following is to be achieved:  
Neutralize targets on the forward line of defence, the enemy artillery and the targets to the depth of:
    - enemy infantry on Igla, Samar, Visibaba, Borova Glava, Plješivica;
    - enemy artillery in the area of Golubičko Suvo Polje – Lazaret.

The artillery preparation shall last for 20 minutes and the approved consumption of ammunition for the Battery is 1.1 b/k /combat set/.

- b) In the artillery support for the attack, the following is to be achieved:
- provide support to the 7<sup>th</sup> Guards Brigade forces upon their request and upon the request of our scouts and the IG /?Reconnaissance Group/;
  - prepare /illegible/ on the Suvo Polje – Golubničko suvo polje road;
  - support putting into action of the forces of the 4<sup>th</sup> Guards Brigade;
  - provide support to the forces of the 4<sup>th</sup> Guards Brigade upon the request.

The approved consumption is 2.5 combat sets.

4. The basic firing positions of the SVLR Battery are the following:
- 1<sup>st</sup> SVLR “BRK” - in the area of Grla – Commander is J. GRANIĆ
  - 2<sup>nd</sup> SVLR “MARKAN” - in the area of Korita – Commander is I. BRNIĆ
  - 3<sup>rd</sup> SVLR “LAV” - in the area of Bilbija – Commander is I. GREKŠA
  - 4<sup>th</sup> SVLR “STARI BOGDAN” - in the area of Dmitrovići – Commander is Ž. MIŠETIĆ.

5. The Command Post of the Battalion is in the village of V. Obljaj.  
The logistics base of the Battalion is in the village of V. Obljaj

6. Basic observation post – Bat tt. 1406  
Next observation post – Igla tt. 1284  
- Plješivica tt 1148

Firing position n-1 in the area of Risovac – Radi do.

The relocation to the firing position n-1 shall be carried out per segments and upon the order of the Battalion Commander.

Firing zone of the battalion – Kurelj, on the right side  
- Orljaj, on the right side

The area of observation is the same as the firing zone.

The area of special attention: Golubičko Suvo Polje – Golubić.

7. Correction is to be done to the first target fired at.  
The readiness for action shall be at 04:00 hrs on 04.08.1995.  
The numeration of the BrST targets shall be per the map of positions.  
The consumption of ammunition – approved 4 combat sets

- for the preparation - 1.5 combat sets
  - for support - 2.5 combat sets.
8. TGP /abbreviation unknown/ shall be as per the map.
  9. Signals - as per the table for signals.
  10. Reports are to be submitted in the following manner:
    - reports on taking the firing position – immediately;
    - reports on readiness until 03:45 hrs on 04.08.1995;
    - regular reports - when necessary.

IB/ZB

Battery Commander

Senior Lieutenant

Ivica BAJAMIĆ

/signed/

/stamp reading: This is to certify that this transcript – copy is identical with the original document.

Zagreb, 25.04.200?

Certified by:

/illegible signature/

/round stamp reading: The Republic of Croatia  
Ministry of Defence  
Zagreb/

**3**

REPUBLIC OF CROATIA  
 MINISTRY OF DEFENCE  
 HV /Croatian Army/ MAIN STAFF  
 7<sup>TH</sup> GUARDS BRIGADE

DEFENCE  
 MILITARY SECRET  
 STRICTLY CONFIDENTIAL  
 URGENT  
 - By messenger –  
 KOZJAK – 95

Luka 03. 08. 1995

Commander \_\_\_\_\_

**ORDER FOR ATTACK**  
**ISSUED BY 7<sup>TH</sup> GBR /Guards Brigade/**  
**Operative number 2**

Map 1 : 50.000; Drvar 3 and 4, Split 1 and 2

1.

In the the 7<sup>th</sup> GBR z/o /area of responsibility/, we are confronted with parts of the 7<sup>th</sup> KK /Krajina Corps/ and KSS /Special Forces Corps/. They are expected to get the following reinforcement (we presume that parts of those units have already arrived):

- special "militia" brigade from among the KSS;
- 101<sup>st</sup> Sabotage Detachment from among the SVK /Army of Serbian Krajina/
- one TG (tactical group of the strength of a reinforced battalion) from among the 7<sup>th</sup> KK;
- one OKB /armoured battalion/ from among the 7<sup>th</sup> KK, and
- parts of artillery from among the 71<sup>st</sup> Special Brigade of the KSS.

The enemy has organized the defence line as follows: Igla tt /trig point/ 1284 – Visibaba tt 1125 – Badanj tt 1281 – Brezovac – tt 1075.

Artillery support to the enemy is provided by a MB /mortar/ 120 mm platoon from the area of Četik, MB 82 mm platoon from the are of Brezovac and parts of the 7<sup>th</sup> MAP /Mixed Artillery Regiment/ from the area of Korita, Orljaj, Suvo polje and Poljice. The number of artillery pieces in the abovementioned areas is unknown.

We believe that the confronted enemy forces count around 1.000 men.

In the area of Knin, the enemy also has at their disposal a part of the KSS reserve forces, an ID /reconnaissance sabotage/ company called Mindušara and about 800 conscripts.

Apart from the said units, the enemy will use combat aircraft, combat helicopters and rocket arming devices: Luna surface-to-surface missiles, Orkan multiple rocket launcher and Košava /?/.

2.

The 7<sup>th</sup> GBR attacks in the area of responsibility:

- TO THE RIGHT: Javorova glava tt 833 – Bolandža tt 637 – Visoka greda tt 692 – Crni vrh tt 651 – Martića glavica tt 542 – village of Očestovo, all inclusive;
- TO THE LEFT: Crni vrh tt 1478 (exclusive) – Vršina tt 1004 (inclusive) – Crna Glava tt 787 (inclusive) – Smrekova Glava tt 472 (inclusive) – Lopuže tt 378 (inclusive)

with the aim to blow a strong strike in the direction Risovac – Golubičko suvo polje - village of Kovačići, break the enemy forces on the forward line of defence, press an advance, put the 4<sup>th</sup> GBR into action, cut the communication Knin – Kijevo and gain control over the general area of the village of Kovačić and the Knin area.

The attack is to be carried out in three phases and it lasts 4 days.

In the I phase of the attack which is to last one day, /the aim is/ to break up the enemy forces on the forward line of defense and reach the line Plješevica tt 1148 – Anića glava tt 909 – Vršina tt 1004.

In the II phase which is to last one day, /the aim is/ to gain control over the line Veljov tt 463 p tt 494 – Lađevac tt 624 – Crna glava tt 785 by pressing an advance towards the village of Kovačić, thus enabling 4<sup>th</sup> GBR units to be put into action in the direction of Golubičko suvo polje – village of Golubić – village of Žagrović.

The process of putting the 4<sup>th</sup> GBR units into action is to be preceded by a full fire support in the right wing of the attack.

The line of separation of the zones of attack between the 7<sup>th</sup> GBR and 4<sup>th</sup> GBR:  
Orljaj tt 494 – crossroads in the village of Mirković – road bridge over the river Krka  
(Onisimovo /sic/ outskirts) – crossroads in the village of Đakovići, all inclusive for  
the 7<sup>th</sup> HV GBR.

In the III phase which is to last two days, /the aim is/ to gain control over the general  
area of the village of Kovačić and the town of Knin and reach the line Onisimovo  
outskirts – Mlinarevići – Lopuže tt 378, where /the forces/ are to assume the defence  
and be ready for further combat operations.

The support to the attack shall be provided by the TRS-3 /artillery rocket system/ and  
HRZ /Croatian Air Force/.

In the beginning, the command post is in the village of Luka.

Readiness for attack on 04. 08. 1995 at 04:00.

The attack begins on 04. 08. 1995 at 05:00 hrs.

### 3. **ADJACENT UNITS**

To the left: Sinj OG /Operative Group/ of the following strength: 126<sup>th</sup> HV dp  
/Home Guard Regiment/, 144<sup>th</sup> br /Brigade/ and 6<sup>th</sup> dp carry out the attack in the zone,  
to the left: village of Strunje – Krčevina tt 550 and to the right: Crni Vrh tt 1478  
(inclusive) – Vršina tt 1004 (exclusive) – Crna Glava tt 758 (exclusive) – Smrekova  
glava tt 472 (exclusive) – Lopuže tt 378 (exclusive) with the task to blow a strong  
strike in the direction of Mount Dinara – Kijevo – Svilaja – Kozjak and encircle the  
enemy forces from the general area of Peruča Valley, rout them, take full control over  
Kozjak and be ready for further offensive operations against Knin.

To the right: The 81<sup>st</sup> gb /Guards Battalion/ (in cooperation with the TG-1 and  
Special Police of the MUP /Ministry of the Interior/ of the HR H-B /Croatian  
Republic of Herzeg-Bosna/) in preparation for offensive operations, take over the  
front line from the 4<sup>th</sup> GBR units and a part of the front line from the 7<sup>th</sup> GBR.  
Further, they carry out decisive defence of the line, to the left: Mačja greda  
(inclusive); to the right: Veliki Kik tt 1274 (exclusive).

In this way, they secure the right flank and rear of the forces in attack.

During the I phase of the attack, the 4<sup>th</sup> GBR provides artillery-rocket support to the 7<sup>th</sup> GBR and follows the combat disposition of the 7<sup>th</sup> GBR by being ready to be put into action upon achieving the immediate task of the 7<sup>th</sup> GBR.

In the II phase of the attack, they put into action forces from the direction of Golubičko suvo polje – Golubić - Žagrović.

A part of the forces establishes control over the communication Knin – Strmica, in the area of Golubić.

In the III phase of the attack, by a strong strike in the direction of the attack, /the task is/ to rout the enemy forces, gain control over Visoka greda tt 692, Crni vrh tt 651, Stanić tt 403 and Kamenito brdo tt 374, secure the left flank, and thereupon take control of the Knin area.

The ZM /command post or assembly point/ in the beginning of the attack is in the village of Luka.

#### 4. DECISION

I have decided to carry out an attack from the present positions for defence in the given zone, by grouping the forces in the direction: Borova glava tt 1082 – Anića glava tt 909 – village of Mlinarevci – Knin, and in the direction: Brezovac – Vršina tt 1004 - village of Lopuže – Burum, while the auxiliary forces securing the left flank of the 7<sup>th</sup> GBR units in attack with the immediate task to undertake a powerful action, gain control over facilitates on the line: Vršine tt 1004 – Anića glava tt 909 - Plješivica tt 1148 – Samograd tt 1003. The next task is to continue with a full attack, gain over the town of Knin and facilities on the line: village of Lopuže – Burum – Onisimovo outskirts. Upon reaching the said line, /the forces/ assume the defense and are ready to continue with combat operations.

The focus of the attack is to be in the direction: Risovac – Suvo polje – village of Kovačić – Knin.

Combat disposition: one combat echelon, reserve, TRS, forces for the POB /anti-armour combat/, PSZ /mobile obstacle construction group/, SOP /Special Police Detachment/, PZO /Air Defence/ forces, commanding forces and forces for logistics support.

## 5. TASKS OF THE UNITS

### 5.1. 1<sup>ST</sup> INFANTRY BATTALION

The 1<sup>st</sup> Infantry Battalion with a platoon of the Pioneers/Engineer Company ( - 1 squad), one POLO/armoured combat vehicle/ and two Fagot POLK /sagger anti-tank missile/ PORD /?/ squads, reinforced by the 2<sup>nd</sup> ts /Tank Company/ (- 4 T /tanks?/) and a vBVP /platoon of a Military Police Battalion/ attack at the front: Samar tt 1238 – Šuplje stijene (exclusive) in the direction of: Borova galva tt 1082 – Anića staja – Mlinarevci – Knin, with the immediate task to rout the enemy on the p/c /first line/ and gain control over facilities on the line: Anića glava tt 909 – Plješivica tt 1148 – Samograd tt 1003.

The next task is to mount a strong strike and gain control over facilities on the line: Mlinarevići tt 265 – Onimisovo outskirts. At the reached line, assume the defence and are ready to continue with combat operations.

Upon fulfilling the immediate task, enable putting the 4<sup>th</sup> GBR into action.

Upon completion of the task, establish close cooperation with the right neighbour.

Support to the attack is to be provided by the TRS-7.

At the beginning of the attack, the ZpM /Command Post/ is in the village of Bilbije.

### 5.2. 2<sup>ND</sup> INFANTRY BATTALION

The 2<sup>nd</sup> Infantry Battalion with a platoon of the Pioneers/Engineer Company ( - 1 squad), one POLO and two Fagot POLK/PORD /?/ squads, reinforced by a tank company (- 3 T /tanks?/) and a vBVP (+ VP Battalion) attack in the front: Crnačka draga – Šuplje stijene in the direction of: Badanj tt 1281 – Korita – village of Lopuže with the immediate task to rout the enemy on the first line and gain control over the line: Vršina tt 1004 – Vršić – Gizdarevac, and then mount a strong strike and gain control over facilities on the line: village of Lopuže – Burum. On the reached line, assume the defence and are ready to continue with combat operations.

Upon fulfilling the immediate task, the left flank is to be secured by their own forces, and in completion of the next task, the said is to be done by the 3<sup>rd</sup> pb /Infantry Battalion/.

Support to the attack is to be provided by the TRS-7.

At the beginning of the attack, the ZpM is in the village of Metočići.

### 5.3 RESERVE

The strength: 3<sup>rd</sup> pb /Infantry Battalion/, Reconnaissance Company, three *Fagot* squads and one POLO/PORD squad.

Task: follow the combat disposition by being ready to act as per order of the Brigade Commander.

Before completion of the next task of the Brigade, the 3<sup>rd</sup> Infantry Battalion follows the combat disposition and stays ready to act as per order of the Brigade Commander, and after that, they secure the left flank of the 2<sup>nd</sup> pb by being ready to repel possible counterattack by the enemy.

At the beginning of the attack, the ZpM is in the village of Grtići.

### 5.4 ARMoured BATTALION

In completion of the immediate and next task, the OKB /Armoured battalion/ carries out the attack with the forces of the 1<sup>st</sup> pb, a ts (-4 T) and a vBVP in the direction of Samar tt 1238 – Borova glava 1082 – Plješivica tt 1148 – town of Knin, and with the forces of the 2<sup>nd</sup> pb, it attacks along with a ts (-3 T) and a VBVP (+ 1) in the direction of Crni vrh tt 1478 – Jerebičnjak tt 1190 – Vršina tt 1004 – town of Knin.

It supports the 81<sup>st</sup> HV db in carrying out active defence with three tanks. Upon completion of the next task, they perform construction works in the p/p /initial position/ in order to support units in carrying out active defence and prevent a counterattack by the enemy, with the focus on the directions coming from Knin.

At the beginning of the attack, the ZpM is in the area of Risovac.

## 6. ARTILLERY SUPPORT

The BrTRS-7 /Mountain Artillery Rocket System?/ for support of the 7<sup>th</sup> GBR TRD /Artillery and Rocket Battalion/.

Commander of the BrTRS-7 shall be the 7<sup>th</sup> GBR TRD Commander.

The PPo /basic firing position/ in the area:

- hb /howitzer battery?/ 122mm D30 – Bilbijine košare
- hb 105 mm M2A1 – V. Podovi
- b SVBR /self-propelled multiple rocket launcher battery/ 122mm – Razvala (determine several launching positions)

ZM /command post or assembly point/ in the area of the village of Dmitrovići.

Pro-1 /sic, abbreviation unknown/ in the area of Bat tt 1406.

PPn-1 /next firing position/ in the area of Tavan – Ridi do – Razvala

ZMn-1 /next command post or assembly point/ in the area of the village of Dmitrovići.

Prn -2 /sic, abbreviation unknown/ in the area of Badanj tt 1281.

PPn-2 in the area of Risovac – Brezovac – Razvala.

ZMn-2 in the area of Risovac.

Prn-2 in the area of Vršina tt 1004.

PPn-3 in the area of Suvo polje – Vrpoljski gaj – Risovac

The artillery tasks:

a) In the artillery preparation:

- neutralize the ZM and CV /Communications Centre/ in the area of Knin;
- neutralize enemy artillery positions in the area of Brezovac and Korita;
- neutralize enemy positions in the area of Badanj tt 1281 and Lazaret.

b) Immediate tasks of the artillery support:

- neutralize enemy artillery positions;
- neutralize enemy strong points;
- support the attack of our forces;
- prevent counterattack from the direction of the town of Knin, and
- secure the reached line and left flank.

c) Next tasks of the artillery support:

- support the attack by our forces;
- prevent counterattack from the direction of the town of Knin;
- neutralize enemy artillery positions and strong points, and
- secure the reached line.

## 7. ANTI-ARMOUR COMBAT

One M83 BOV /armoured combat vehicle/ and two 9K111 POLK /sagger anti-tank missile/ attach to the 1<sup>st</sup> pb.

One M82 BOV and one 9K111 POLK attach to the 2<sup>nd</sup> pb.

Form a POS /Anti-Armour Group?/ of the following strength: 7<sup>th</sup> GBR PORD /Anti-armour Rocket Battalion/ (one M83 BOV and three 9K111 POLK).

The Commander of the POS is the 7<sup>th</sup> GBR PORD Commander.

The basic POR /sic, abbreviation unknown/ gains control over the area of the village of Bilbije with the task of preventing an enemy armed forces counterattack from the direction of: Knin – Crvena Zemlja – Bosanko Grahovo.

The observation post in the area of Bat tt 1406.

The ZM is in the area of the village of Bilbije.

## 8. AIR DEFENCE

The airspace is observed through reception of data of the PZO 204 trbr /Artillery Rocket Brigade/ OS /Intelligence Service/ and from ones own observations posts. In all PP /firing position/ at the level of battery – company organize visual observation of the airspace. Inform units on the situation in airspace through commanding communications from the 7<sup>th</sup> GBR using the PZO code-book. The PZO TRB /Artillery Rocket Battery/ is tasked to put up an air defence of the BrTRS-7 and OMP /armoured mechanized unit/. In that regard: by the 20/3mm PZT /Anti-Aircraft Artillery/ platoon, gain control over the PP in the area of Gole glavice tt 879 and conduct an air defence of the 122mm Howitzer Battery; with two 14,5mm PZS /self-propelled anti-aircraft gun/ squads, gain control over the PP in the area of Marasovine and conduct an air defence of the 105mm Howitzer Battery; a PZO LPRS /Light Artillery Rocket System?/ platoon conducts an air defence as follows: the 1<sup>st</sup> S-2M PZO LPRS Squad gains control over the PP in the area in Marasovine and conducts an air defence of the 105mm Howitzer battery; the 2<sup>nd</sup> PZO LPRS (*Igla* and S-2M) Squad conducts air defence of the OMP on the right axis of attack and is a part of the 2<sup>nd</sup> Tank Company; 3<sup>rd</sup> S-2M PZO LPRS Squad conducts air defence of the OMP on the left axis of attack and is a part of the 1<sup>st</sup> Tank Company. The PZO LPRS (S-2M) squads in infantry battalions conduct an air defence of firing groups in battalions as per order of battalion commander. With the commencement of the offensive operations, the PZO units maintain the highest level of readiness. Relocation of PZO facilities to the new PP is to be continued along with the air defence of the said. In their own areas of responsibility, other units fight against low-flying targets with 20mm guns mounted on a BVP /infantry combat vehicle/, 12.7mm PZS /self-propelled anti-aircraft gun/ on tanks, 14.5mm PZS and from other small arms in

infantry battalions by concentrated fire. Fire at aircraft and helicopters is to be opened as per order, on the occasion of carrying out an attack against the PP units or PZO facilities, and when it is certain that they belong to the enemy.

In conduct of movements and combat operation, stick to the standard PZZ /anti-aircraft protection/ measures. Forces are to be brought in and grouped by night, on covered ground /?/, in several directions, in small columns.

The ZM of the PZO TRB in the area of the village of Cvijetići.

## 9. ENGINEERING SUPPORT

The focus of the engineering support is on setting up TRD /Artillery and Rocket Battalion/ firing positions, construction of defensive positions on the reached defence lines and consolidation of redeployment area. The Engineers Company is to be engaged as follows:

- 1<sup>st</sup> and 2<sup>nd</sup> Pioneers Squads of the 1<sup>st</sup> Pioneers Platoon of the 7<sup>th</sup> GBR Engineers Company attach to the 1<sup>st</sup> pb /Infantry Battalion/ in the direction of attack of the 1<sup>st</sup> pb;
- 1<sup>st</sup> and 2<sup>nd</sup> Pioneers Squads of the 2<sup>nd</sup> Pioneers Platoon of the 7<sup>th</sup> GBR Engineers Company attach to the 2<sup>nd</sup> pb in the direction of attack of the 2<sup>nd</sup> pb;
- 3<sup>rd</sup> and 4<sup>th</sup> Platoon from among the 7<sup>th</sup> GBR Engineers Company are tasked as follows:
  - build and maintain roads in the direction of attack of the 7<sup>th</sup> GBR;
  - follow the Brigade order of battle, and
  - support the TRD in setting up p/p /initial position/

From among the 1<sup>st</sup> and 2<sup>nd</sup> Pioneers Squad, form two PSZ /mobile obstacle construction group/ with a task of constructing defensive positions on possible directions of enemy counterattack.

The ZM of the Engineers Company is in the village of Bosansko Grahovo.

## 10. ABK /atomic-biological-chemical/ SUPPORT

All units have to organize the NKB /nuclear-chemical-biological/ monitoring, NKB control, NKB protection and elimination of consequences of an NKB weapons impact at all levels of commanding. Contaminated units carry out a personal decontamination

immediately, and a group decontamination depending on the combat developments, as per permission of a unit commander. Withdrawal from combat for a final decontamination upon my permission.

The ABKO Reconnaissance Platoon establishes a monitoring station in the area of the village of Luka, an observation post in the area of Bat tt 1406, and reconnaissance patrols have to be on stand-by for control of the main and auxiliary axis of attack. Upon completion of the immediate task, form an observation post on the top of Vrština tt 1004 and keep on stand-by a reconnaissance patrol there which controls the main and auxiliary axis of attack.

Upon completion of the next task, form a monitoring station in the area of the town of Knin, and an observation post in the area of the top of Greda tt 440, have reconnaissance patrols on stand-by as follows: the first one by the monitoring station and the second one by the observation post.

Decontamination of brigade stations as per order by the Sjever /North/ OG /Operative Group/ Commander.

Reports on a NKB attack are to be sent IMMEDIATELY.

## **11. INTELLIGENCE SUPPORT**

Zones of intelligence responsibility of the subordinated units correspond to the zones of responsibility of the subordinated units.

The Reconnaissance Company is engaged as per special order of the Commander.

The ED /Electronic Warfare/ Platoon forms a radio interception group with a task of intercepting enemy radio communications from the area of Obljaj, a radio interference group with a task of conducting electronic warfare from the area of Orlov kuk. Upon completion of the immediate task, the radio interception group and radio interference group are to be relocated to the area of Igla tt 1284 and conduct electronic warfare /from there/.

All enemy movements and intelligence data are to be reported urgently to the 7<sup>th</sup> GBR OC /Operations Centre/.

## 12. POLITICAL SUPPORT

Develop combat motivation, preserve unity in units and act in the spirit of the combat concept. Enhance and increase moral, political and psychological readiness of each individual and unit for carrying out a given combat task; ensure moral and political unity and firmness of units and build resistance to psychological and propagandistic activity of the enemy; undertake special measures to prevent possible war crimes against enemy soldiers and civilians. During combat operations, fight exclusively against enemy forces and their paramilitary units, attack only military targets, spare civilians and civilian facilities and restrict destruction exclusively to what is necessary in performing a task. During combat operations themselves, inform members of our units on enemy losses in manpower and technique and give prominence to examples of courage and success of our units and individuals in combat. Quickly and energetically react to cases of disorganization and violation of the chain of command. Day by day, develop positive attitude towards the defence of the Homeland and build up /faith/ in strength and capability of one's own unit for final victory over enemy. During combat operation, cooperate permanently with the SIS /Information and Security Service/ and Intelligence Service, as well as PD /propaganda/ officers attached to the units.

## 13. SECURITY SUPPORT

All measures, actions and procedures related to preparation, planning and organization of offensive operations, regrouping and deployment of forces in performing tasks are to be carried out under maximum security. Be in permanent connection with adjacent units. Prevent /units/ from using seized enemy weapons, equipment and other materiel until their safety is checked; prevent /units/ from setting houses on fire.

Stick to the discipline of the firing system and prevent undisciplined behaviour in opening fire and revealing firing positions of units. Observe international laws of war and Geneva conventions. Determine all elements of the order of battle and set up obstacles on possible directions of a counterattack or infiltration of enemy IDS /reconnaissance-sabotage groups/. Disarm prisoners of war, treat them humanely and take them to reception centres.

#### 14. LOGISTIC SUPPORT

The logistic support is to be done by relying on the North OG 306<sup>th</sup> LoB /Logistics Base/ in Šibenik that has established its section in the village of Prolog.

In performing the task, the following consumption is authorized:

- infantry weapons ammunition                      3 b/k /combat set/
- artillery ammunition                                      4 b/k
- POB /anti-armour combat/ ammunition              4 b/k
- propellant    2.5 p/r /tankful/

Before readiness for action, all units are to be re-supplied with 2 b/k of ammunition, and the rest is to be kept as a reserve in the Ammunition Squad in the village of Donji Rujani. The ammunition replenishment is done using one's own transportation, and in the case of the OKB, it is combined. During performance of the task, five trucks (DAF) and drivers from the Logistics Company are attached to the Armoured Battalion.

On the first day, all units are to get packed lunches and the other days issue them dry rations for a whole day. Apart from the packed lunches and dry rations, issue them also bottled drinking water. Issuance of the packed lunches and drinking water is to be organized in the village of Marići. Units themselves pick up packed lunches and drinking water around 20:00 hrs.

During next day, it is forbidden to drink water from natural wells.

Taking care of injured and sick is done by units' own forces and means, using services of the North OG Health Care Station and Livno civilian hospital.

The BrB-7 /sic, abbreviation unknown/ is redeployed in the village of Pržine with the Forward Medical Squad in the village of Jakšići and Ammunition Squad in the village of Donji Runjani.

#### 15. COMMANDING AND COMMUNICATIONS

Communications readiness on 03. 08. 1995 at 22:00 hrs, communication is to be maintained according to the Communications Plan and by usage of secret commanding of troops.

During the attack, use the IVANČICA code-book.

Regular reports are to be sent daily at 05:00 hrs with the situation at 04:00 hrs inclusive and at 19:00 hrs with the situation at 18:00 hrs inclusive.

Interim reports are to be sent if need be.

Submit special reports on readiness for attack and upon completion of immediate and next task.

**SIGNALS:**

- |                           |                       |
|---------------------------|-----------------------|
| - beginning of the attack | - VATRA /fire, flame/ |
| - air threat              | - ZRAK /air/          |
| - tank threat             | - TENKOVI /tanks/     |
| - RKB threat              | - OTROVI /poisons/    |
| - end of the attack       | - SUNCE /sun/         |

**COMMANDER**

**Staff Brigadier**

**Ivan KORADE**

/signed and stamped/

This is to certify that this is a true transcript – photocopy of the original document.

Zagreb, 20. 09. 2007

Certified by:  
/signed and stamped /

**4**

APPROVED BY  
 COMMANDER  
 Staff Brigadier  
 Ivan KORADE

DEFENCE  
 MILITARY SECRET  
 STRICTLY CONFIDENTIAL  
 Attachment no. 4

Luka, 03.08.1995

TABULAR AND TEXTUAL PART OF THE PLAN  
 OF ARTILLERY ENGAGEMENT

1. GROUPING OF THE ARTILLERY

a) Form:

- BrTS-7 /Mountain Artillery Group/ from the TRD /Artillery and Rocket Battalion/ of the 7<sup>th</sup> Guards Brigade formations, the BrTS-7 commander will be the commander of the Artillery and Rocket Battalion of the 7<sup>th</sup> Guards Brigade.

2. TASKS OF THE ARTILLERY

3.

STAGE	TASK	FIRE NO.
ARTILLERY PREPARATION	Neutralise enemy's ZM /command post or garrison/ and CV /communications centre/ in the area of the town of Knin.	KP 100
	Neutralise the enemy's artillery positions in the Brezovac and Korita area.	Kp 101, KP 102
	Neutralise the enemy's positions in the area of Badanj tt /trig. point/ 1281 and Lazaret.	KP 103, KP 104
ARTILLERY SUPPORT OF THE IMMEDIATE TASK	Neutralise the enemy's artillery positions in the area of Suvo Polje (Anića gl. tt 909), Poljice.	KP 105, KP 106
	Prevent counterattacks from the direction of the town of Knin.	KP 100, KP 102, "PANTER" PZP
	Neutralise the enemy's strong points.	KP 107, KP 108, KP 109, 98, 99
	Support the attack of our forces.	KP 110, KP 111, KP 112
	Secure the reached line and the left flank	KP 105, "PANTER" PZP, KP 113, KP 114, KP 115
ARTILLERY	Support the attack of our forces.	KP 100, KP 119, KP

SUPPORT OF THE NEXT TASK		122, KP 123, KP 126, KP 127
	Prevent the counterattack from the direction of the town of Knin.	KP 100, KP 120, KP 121
	Neutralise the enemy firing positions and strong points.	KP 116, KP 117, KP 118
	Secure the reached line.	KP 128, KP 125, KP 124

### 3. DEPLOYMENT OF THE ARTILLERY

UNIT	STARTS FROM		PATROLLING		TAKES PP /FIRING POSITION/	
	From the area	Time	In the direction of	Km	In the area	Time
BrTS-7	Bilbijine košare – V. Podovi – G. Peulje	21:00 hrs	G. Peulje- Korita- Razvala (PPo /basic firing position/)	12	Bilbijine košare – V. Podovi – Razvala	03.08. 1995 by 24:00 hrs

### 4. ADJUSTMENT OF FIRE

The adjustment of fire is to be done using the adjustment weapons of the battery (platoon) in the course of target practice.

### 5. BEGINNING AND DURATION OF ARTILLERY PREPARATION

The artillery preparation lasts 15 minutes. The preparation shall start on 04.08.1995 at 05:00 hrs.

The readiness is on 04.08.1995 at 04:00 hrs.

### 6. RELOCATION

Unit	Method of relocation	Beginning of the relocation	The area of relocation	Relocation direction	Length of leap and time
BrTS	By platoons in the following order: H-105, H-122, battery SVBR /self-propelled multiple	Upon seizing control of the line Brezovac – Badanj tt 1281 – Visibaba tt 1125 –	Tavan – Ridi do – Razvala	PPo –PPn-1 /secondary axis of attack/	½ of the range of weapons

	rocket launcher/	Borova glava tt 1082			
		Vršina tt 1004 – Anića Glava tt 909 – Plješivica tt 1148	Risovac – Brezovac – Razvala	PPn1 – PPn2	
		The village of Mirkovići – Barlovačka k. – Crna glava tt 785	Suvo Polje – Vrpoljski gaj – Risovac	PPn2 – PPn3	

## 7. CONSUMPTION OF AMMUNITION

Unit	During artillery preparations	Artillery support		TOTAL
		Immediate tasks	Next tasks	
BrTS-7	0.6 b/k /combat sets/	1.8 combat sets	1.6 combat sets	4 combat sets

## 8. COMMUNICATIONS

Organise communications according to the Communications Plan of the 7<sup>th</sup> Guards Brigade.

The BrTS-7 communications are to be in readiness on 03.08.1995 at 24:00 hrs.

After the attack starts, check communications with all participants every two hours.

Prior to the attack, it is obligatory to maintain the radio silence.

## 9. SIGNALS

As per the table of signals from the Communications Plan of the 7<sup>th</sup> Guards Brigade and the existing "MORE" table of signals.

## 10. REQUESTS

Perform engineering works of the 2<sup>nd</sup> degree on the PP /firing position/ in cooperation with the Engineering Company of the 7<sup>th</sup> Guards Brigade.

Secure the PZO /Anti-aircraft Defence/ in cooperation with the TRB /Artillery-Rocket Battalion/ of the PZO of the 7<sup>th</sup> Guards Brigade.

CHIEF OF THE ARTILLERY

Major

Zdravko JAKOP

/signed/

**UNREVISED**

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Battery of 122-mm SVLR /self-propelled multiple rocket-launcher/  
Knin, 07. August 1995.

## PLAN FOR FURTHER ATTACK ACTIONS

Map: Drvar 1, 2, 3, 4 1:50 000

### 1. OUR FORCES

On the basis of the task received and of the newly-created situation on the field, the brigade commander has decided to regroup the forces of the 4th GBR /Guards Brigade/ and continue pursuing the enemy in the area of responsibility:

TO THE RIGHT: tt /trig point/ 1412 – Vrsaljkoča tt 1030 – Gradina  
Tt 679 (excluded), and

TO THE LEFT: Malovan tt 893 (excluded) – Crni Vrh tt 1274 – Kričko Brdo

The task is to be executed in two phases, in first of which we are to reach the line:

Kosa Prijića tt 814 – Urljaj tt 902 – tt 615

And in the second we are to reach the line:

Kričko Brdo – Borova Plava – Bosanski Osredci

The main portion of forces to be engaged on the direction:

Srpski Klanac – Srb – Kričko Brdo

And the supplementary forces on protecting the wings of the main portion.

Combat deployment in two combat echelons.

Brigade ZM /command post/ in the barracks in Knin, the IZM /forward command post/ in motion.

The attack to begin at 05:00 h on 08. 08. 1995.

2. TASKS OF THE TRD /Artillery-rocket Battalion/ IN THE ROLE OF A  
BrTRS /Brigade of artillery-rocket companies/

- in artillery preparation – to realize the planned fire in the area of the village  
of Srb

Use of ammunition is 0.5 B/K /combat kit/

- in artillery support – to support the unit as ordered

- focus of support will be on the main direction of pursuit:

Srpski Klanac – Srb

Approved use of ammunition 1 B/K.

0.5 B/K to be had in reserve for the insurance of the reached line and for prevention of a potential counter-attack.

### 3. BASIC FIRING POSITIONS OF THE 1<sup>ST</sup> PLATOON OF THE SVLR BATTERY

The 1<sup>st</sup> platoon of the SVLR will assume basic firing positions in the extended area of the village of Otrić.

The observation point of the TRD will be in the area o Ćelijanka tt 887 and the next one in the area of Urljaj tt 902.

Command post of the TRD in motion.

4. Fortification of firing positions to be done using own forces, using the terrain, and taking measures of camouflage.

5. The 2<sup>nd</sup> firing platoon of the SVLR which remains in Knin will act in accordance with the general situation and will be in reserve on the count of lack of ammunition.

6. During the combat operations, use the existing radio-lines 0.7m on channel 2 and 3.

IB/ZB /abbreviations unknown/

Commander of the SVLR battery

Captain

/signature/

Ivica Bajamić

/stamp:

This is to certify that this copy - photocopy  
is identical to the original document.

In Zagreb, on 25. 04. 2007

Certified by: /

/round stamp:

THE REPUBLIC OF CROATIA  
MINISTRY OF DEFENCE  
ZAGREB/

**UNREVISED**

**6**

## TABLE OF IDENTIFIED TARGETS

Date: \_\_\_\_\_

P.P. /expansion unknown/ Region: 1. Karli

2. Ključ

3. Pakovo Selo

Target Number	Target Description	Target Coordinates			Unit Tasked
		X	Y	Z	
KV /expansion unknown/ 110	Church in Knin	77185	96170	220	SVRL /self-propelled multiple rocket launcher/ 122 T-130
KV 150	Ko?ovo warehouse	68?00	97400	245	SVRL 122 T-130
KV 210	Army barracks /located/ at the entrance	76500	96280	220	SVRL 122 T-130
KV 250	“Slavko Rodić” army barracks	78880	96560	250	T-130 1 <sup>st</sup> Platoon
KV 310	Bridge /located/ at the entrance	77?50	96360	220	SVRL 122 T-130
KV 350	“Senjak” army barracks	78220	95250	225	T-130
KV 410	Railroad station	77540	96260	225	T-130
KV 450	Western warehouse	77630	94200	225	SVRL 122 T-130
KV 510	The crossroads	76130	96250	230	T-130
KV 550	Old garage	80800	91060	360	T-130 1 <sup>st</sup> Platoon
KV 610	Apartment building complex	783??	97140	240	T-130
KV 650	Padane warehouse	81860	96890	415	T-130 1 <sup>st</sup> Platoon
KV 710	Hospital	79300	95530	230	T-130 1 <sup>st</sup> Platoon
KV 750	Nut and bolt factory	77960		230	T-130
KV 810	Western bridge	78060		230	T-130

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/handwritten: 46/

## 2. Artillery preparation

I

Duration 60 minutes

Structure:

	TARGETS–TYPES Number	DURATION IN MINUTES	STRUCTURE
1 <sup>st</sup> STRIKE	Target no. /redacted/ x = 77540 y = 96360 z = 225	8 minutes  CONSUMPTION: 50 TF /?contact-fuse shells/	ENGAGING A BATTERY BY 10s FIRE!
	Target no. /redacted/ x = 77960 y = 96890 z = 230	7 minutes  CONSUMPTION: 50 TF	ENGAGING A BATTERY BY 10s FIRE!
2 <sup>nd</sup> STRIKE	Target no. KV-410 (railway station) x = 78300 y = 96520 z = 225	7 minutes  CONSUMPTION: 50 TF	ENGAGING A BATTERY BY 10s FIRE!
	Target no. KV-610 (block of flats) x = 78300 y = 96520 z = 240	7 minutes  CONSUMPTION: 50 TF	ENGAGING A BATTERY BY 10s FIRE!
	Target no. KV-350 ( <i>Senjak</i> barracks) ✓✓ x = 78220 y = 96650 z = 225	7 minutes  CONSUMPTION: 50 TF	ENGAGING A BATTERY BY 10s FIRE!

## 1. BATTALION TASKS

Type of fire and target number (name)			
Ammunition			
Coordinates of the battalion target	x		
	y		
	z		
Time of execution or signal			
Type and number of projectiles			
Battery			
Coordinates of the centre of the battery target	x		
	y		
	z		
/?Circle/ and front azimuth			
Type of fire			

Readiness at \_\_\_\_\_ hours on \_\_\_\_\_ 199\_

## 2. Artillery preparation

II

Duration 60 minutes

Structure:

	TARGETS-TYPES Number	DURATION IN MINUTES	STRUCTURE
2 <sup>nd</sup> STRIKE	Target no. KV-510 (crossroads) x = 78130 y = 96260 z = 230	7 minutes  CONSUMPTION: 50 TF /?contact-fuse shells/	ENGAGING A BATTERY BY 10s FIRE!
	Target no. <span style="border: 1px solid black; padding: 0 2px;">710</span> (hospital) /scribbles/ x = 79300 y = 97140 z = 230	7 minutes  CONSUMPTION: 50 TF	ENGAGING A BATTERY BY 10s FIRE!
3 <sup>rd</sup> STRIKE	Target no. KV-250 ( <i>S. Rodić</i> barracks) x = 78880 y = 96560 z = 250	5 minutes  CONSUMPTION: 25 TF	ENGAGING A BATTERY BY 5s FIRE!
	Target no. KV-410 (railway station) x = 77540 y = 96360 z = 225	5 minutes  CONSUMPTION: 25 TF	ENGAGING A BATTERY BY 5s FIRE!
	Target no.		

## 2. BATTALION TASKS

Type of fire and target number (name)			
Ammunition			
Coordinates of the battalion target	x		
	y		
	z		
Time of execution or signal			
Type and number of projectiles			
Battery			
Coordinates of the centre of the battery target	x		
	y		
	z		
/?Circle/ and front azimuth			
Type of fire			

Readiness at \_\_\_\_\_ hours on \_\_\_\_\_ 199\_

## 2. Artillery preparation

## III

Duration 60 minutes

Structure:

TARGETS–TYPES Number	DURATION IN MINUTES	STRUCTURE
Target no. KV-150 (/?Kosovo/ depot) x = 68000 y = 97400 z = 245	15 minutes	ENGAGING A BATTERY 12 VOLLEYS <del>BY</del> 15' FIRE !
	CONSUMPTION: 60 TF /?contact-fuse shells/	
Target no. KV-410 (railway station) x = 77540 y = 96360 z = 225	15 minutes	ENGAGING A BATTERY 12 VOLLEYS <del>BY</del> 15' FIRE !
	CONSUMPTION: 60 TF	
Target no. KV-450 (western depot) x = 77630 y = 95250 z = 225	15 minutes	ENGAGING A BATTERY 12 VOLLEYS <del>BY</del> 15' FIRE !
	CONSUMPTION: /?6/0 TF	
Target no. KV-310 (bridge at the entrance) x = 77160 y = 95800 z = 220	15 minutes	ENGAGING A BATTERY 12 VOLLEYS <del>BY</del> 15' FIRE !
	CONSUMPTION: 60 TF	
Target no.		

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/hand written: HV /Croatian Army/ 113<sup>th</sup> pbr /Infantry Brigade

Pr. /expansion unknown/ number - 1/

LIST OF TARGETS  
 "GOLUB" /Operation/ 1995

No.	Target/point description	X	Y	Z	Who is firing	Who is authorised to fire
1.	Prokljan – centre	54950	69150	5		
2.	Skočiči	57325	70250	137		
3.	Gradina T.T. /trig. point/	59000	68960	175		
4.	Zelena Glava T.T. 191	58685	67155	191		
5.	Intersection, Čista Mala	59820	63350	110		
6.	Intersection, Gornji Lalići	60150	63170	117		
7.	Donji Lalići	59960	62520	100		
8.	Donji Lalići – Cesta /road/	59710	62245	100		
9.	Kremenica T.T. 202	60820	67330	202		
10.	Bridge over the Bribišnica /River/	60980	64955	100		
11.	Brig T.T. 139	60310	62935	139		
12.	Čista Velika – Church	61440	61960	130		
13.	Intersection SZ. /north-west/ of Č.V. /Čista Velika/	61950	61560	131		
14.	Piramatovci I. T.T. 203	63690	68210	203		
15.	Intersection Z. /north / of Ladevci	61800	64750	130		
16.	Intersection Z. /west / of Krkovići	62480	65140	165		
17.	Cicvare	63520	63540	140		

18.	T.T. 165 Z. /west/ of Čukur	63280	61430	165		
19.	Međare – School	64180	64000	150		
20.	Intersection, Morpolača	63720	61760	135		
21.	Bribirska Glava – Church	64940	68065	289		
22.	Intersection, J. /south/ of Žažvice	64975	64800	115		
23.	Žrović	64700	60680	130		
24.	Intersection, Brib. Mostine	65300	65680	120		
25.	Krnjeuve	66400	69720	225		
26.	Plančnik T.T. 274	6660	67790	274		
27.	Korita T.T. 159	67270	63710	159		
28.	Đevrske – Intersection	67985	68700	233		
29.	Divič T.T. 322	68020	67570	322		
30.	Orlovača T.T. 405	68910	64960	405		
31.	Gologuz T.T. 425	70220	64240	425		
32.	Intersection, Tošići	69280	68770	235		

/stamp: It is hereby certified that the above copy is identical to the original document.

Zagreb, 25.04.2007

Certified by: /illegible signature//

/stamp: Republic of Croatia Ministry of Defence; Zagreb; /coat of arms//

9

/handwritten/  
113<sup>th</sup> pbr /Infantry Brigade/

Copy no. 1

LIST OF TARGETS

GRADINA 95

No.	Description of target Points	X	Y	Z	Who is shooting	Who may shoot
1.	Krizanje, Lazinica	56860	72520	120		
61.	T.T. /trig. point/ 320 Ljuti Krš	72160	70750	320		

/see original document for the complete list/

54 TABLE OF TARGETS "GRADINA"

COPY NO. 1

/ILLEGIBLE/  
TABLE  
OF ARTILLERY TARGETS ALONG SKRADIN AXIS

54 TABLE OF TARGETS "GRADINA"

COPY NO. 1

It is certified that this /illegible/ copy  
identical - /originating from/ - /illegible/  
Zagreb, /illegible/

Certified by:

/signed and stamped/

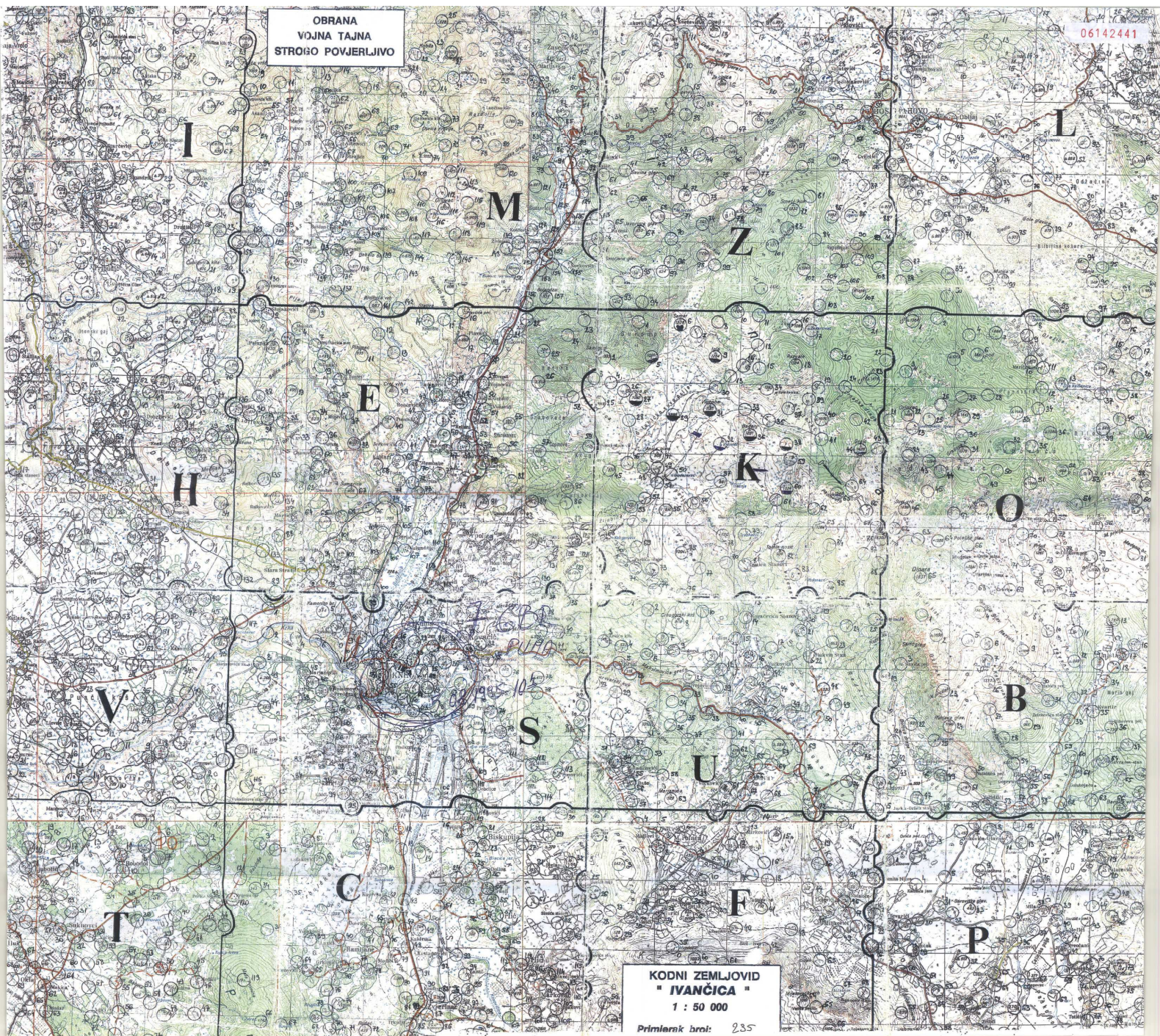
**10**

**INSTRUCTIONS**

- loss or disappearance of the map is to be IMMEDIATELY reported to the superior command
- map is to be used to indicate targets, search and guide (corrections) artillery and mortar fire, issue tasks, discuss enemy activities
- reduce the open use of the names of the structures in the field, as well as hills, elevations, inhabited areas and other, to the minimum

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**11**



**12**

**LIST OF TARGETS FOR OG /Operations group/ŠIBENIK**

Target number	Target name/description	X	Y	Z
1.	CENTRE s. MORPOLAČA (TANK)	63750	61700	150
2.	SCHOOL Č. VELIKA (PAT)	61250	62000	140
3.	CROSSROADS Č. MALA (MB)	59750	62700	100
4.	T.T. 143	60350	64175	143
5.	T.T 137	59100	65700	137
6.	T.T. 191 BUBIĆ (TANK)	58150	67150	191
7.	T.T 202 KREMENICA	60800	67800	202
8.	CROSSROADS s. STANOVI LAĐEV	61900	66150	173
9.	BRIDGE s. LAĐEVCI (MB 120)	61000	64560	100
10.	SCHOOL s. KRKOVIĆI (TANK)	62350	65050	165
11.	CROSSROADS s. MEĐARE (H 122)	64100	63750	159
12.	CROSSROADS ŽAŽVIĆ MEĐARE	64900	64800	130
13.	SCHOOL B. MOSTINE (Battalion ZM)	65800	65650	120
14.	T.T. 203	62750	68200	203
15.	BIRBIRSKA GLAVA (Observation point)	65000	67950	298
16.	T.T. 274 V. PLANIČIK (Observation point)	66650	67300	274
17.	CROSSROADS ĐEVRSKA BIRBIR (H 122)	67350	68000	200
18.	CROSSROADS ĐEVRSKA (Brigade ZM)	68000	68750	230
19.	ĐEVRSKA TRAIN STATION	69050	69600	240
20.	ZEČEVO (Communications centre)	70800	70650	325
21.	CENTRE S. VARIVODE	68255	70950	230
22.	CROSSROADS VORIVODE – SMRDELJE	66850	71700	229
23.	T.T 250	64250	69930	250
24.	K. 244	63150	70200	244
25.	CENTRE s. GORICE (Battalion ZM)	61870	70750	190
26.	SCHOOL s. VAČANI	61850	69800	170
27.	T.T. 204	59600	70300	204
28.	T.T. 175	59000	68970	175
29.	CENTRE s. GARDIJANI	58150	70500	160
30.	CENTRE s. SKOČIĆI (TANK)	57300	70250	130
31.	T.T. 91	57300	67800	91
32.	CENTRE s. PROKLJAN (MB)	55050	69150	5
33.	VRBICA (MB 120)	57250	72250	80
34.	T.T. 116	65450	71800	116
35.	T.T. 179 RUNJAVA GLAVA	57900	72430	179
36.	s. PAMUČAR (MB 82)	58200	7600	180
37.	POZDERI (PAT)	57750	74150	190
38.	T.T. 230 s. GARDIJAN	58500	75230	230

39.	SCHOOL s. PLASTOVO	59200	74750	230
40.	K. 223 (Gas station)	60320	73750	223
41.	T.T. 231 GRABOVAČA	60450	71620	231
42.	CROSSROADS s. BRATIŠKOVCI	61200	72570	215
43.	T.T. 248 BRAŠTINA	61150	74250	248
44.	K. 240 (H 122)	61680	73160	240
45.	K. 235	62750	75570	235

## LEGEND:

s – village

TT – trig. point

Ž St. – Train station

K. – elevation

PAT – Anti-aircraft gun

MB – Mortar

H – Howitzer

ZM – Command post

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**13**



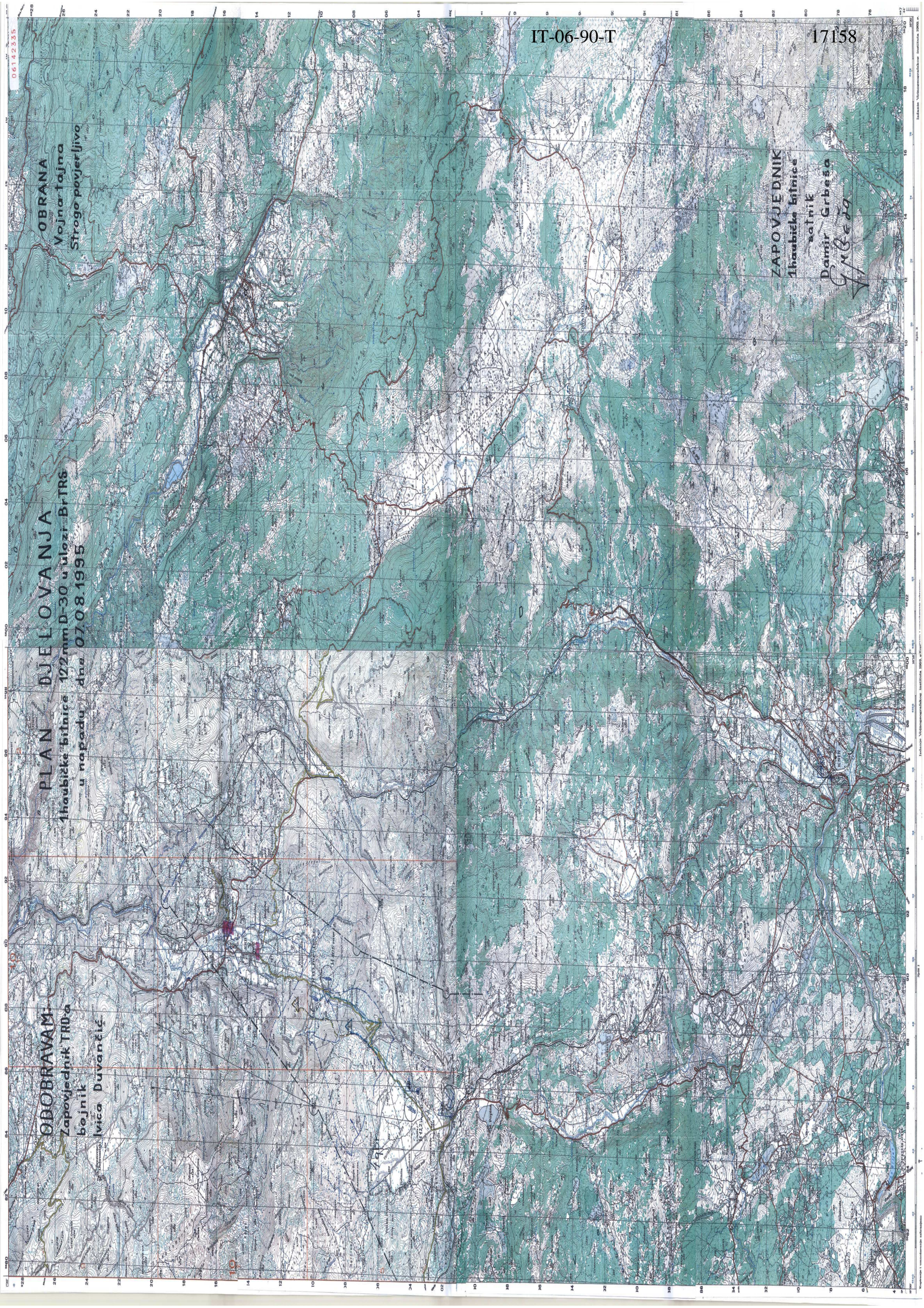
**14**

**PLAN OJELOVANJA**  
1haubičke bitnice 122mm D-30 u ulozu BrTR6  
u napadu dne 07.08.1995

**ODOBRAMI**  
Zapovjednik TRD-a  
bojnik  
Ivica Duvančić

**OBRANA**  
Vojna Tajna  
Strogo povjerljivo

**ZAPOVJEDNIK**  
1haubičke bitnice  
sajtnik  
Damir Grbeša  
GMBEŠA



**15**

*/LEGENDS ON THE MAP WITH ERN 0614-2311/*

## PLAN OF ARTILLERY ACTIVITIES IN ATTACK, ZP SPLIT

Approved by brigadier Ante Gotovina

Defence, state secret, "Poskok – 93"

**ARTILLERY AT FORWARD COMMAND POST ZADAR**

DIRECTION	ZADAR – offence						ZADAR – defence			
	MUP SP	1/1 gbr	5. gbr	112. br	TRS	TOTAL	7. domp	Bio. domb	141. br	TOTAL
MB /mortar/, 120 mm	6	10	23	6	-	45	18	10	10	38
GUN,76 mm	2	-	2	4	-	8	4	2	2	8
SELF-PROPELLED GUN, 90 mm	-	-	-	-	-	-	-	-	-	-
GUN, 100 mm	-	-	3	4	-	7	-	2	2	4
HOWITZER, 105 mm	-	-	-	3	-	3	5	3	-	8
HOWITZER, 122 mm	-	4	3	1	-	8	-	-	-	-
VBR /Multiple rocket launcher/ "RAK"	1	2	5	2	-	10	2	2	2	6
SVLR /self-propelled multiple rocket launcher/ "BM-21"	-	1	-	-	1	2	-	-	-	-
GUN, 85 mm	-	-	-	-	-	-	-	2	-	2
GUN, 88 mm	-	-	-	-	-	-	-	1	-	1
GUN, 130 mm	-	2	-	-	2	4	-	-	-	-
HOWITZER, 152 mm	-	3	-	-	-	3	-	-	-	-
HOWITZER,155/203 mm	-	-	-	-	1/1	1/1	-	-	-	-
PORS, 9KII	-	7	6	2	-	15	6	3	2	11
PORS /Anti-armour rocket system/ "FAGOT"	-	2	3	1	-	6	-	-	-	-
PORS "MILAN"	-	-	-	1	-	1	-	-	-	-
PORS "TOW"	-	-	-	-	-	-	-	-	-	-
POLO /Armoured personal carrier?/	-	-	2	-	-	2	-	-	-	-
<b>TOTAL:</b>	<b>9</b>	<b>31</b>	<b>47</b>	<b>24</b>	<b>5</b>	<b>116</b>	<b>35</b>	<b>25</b>	<b>18</b>	<b>78</b>

**NECESSARY ARTILLERY AMMUNITION AND ITS DISTRIBUTION**

AMMUNITION		ZADAR	ŠIBENIK	SINJ	TOTAL
Bullet	155 mm	160*	320*	-	480*
	130 mm	450	520	360	1330
	120 mm	1280	640	-	1920
	105 mm	2600*	1000*	400*	4000*
	100 mm	400	300	200	900
	90 mm	-	1440	-	1440
	76 mm	800	800	600	2200
Rocket	128 mm	640	640	320	1600
	122 mm	160	320	320	800
	70 mm	400	400	-	800
Mine	120 mm (light)	7280	4660	1760	13700
	120 mm (large)	3640	2330	380	6850
Anti-armour rockets	9K11	120	180	60	420
	“FAGOT”	20	20	-	40
	“MILAN”	8	16	-	24

## 1. ARTILLERY SETUP

a/ Establish the following:

- I TRS – ZP /*Artillery rocket system*/ in axis No. 1 (Jasenice – Kruševo)

Composition:

- tb /*tank battalion*/ 130 mm (4 weapons)
- vSVRL /*Self-propelled multiple rocket launcher platoon*/ BM-21 (2 weapons)

- II TRS – ZP in axis No. 2 (Vodice - Đevrske – Kistanje)

Composition:

- tb 130 mm (6 weapons)
- vSVRL BM-21 (1 weapon)
- hv /*Howitzer platoon?*/ 155 mm (2 weapons)

- III TRS – ZP in axis No. 3 (Sinj – Vrlika – Kijevo)

Composition:

- tb 130 mm (3 weapons)
- SVRL BM-21 (1 weapon)

Units carrying out offensive activities must form artillery rocket systems /TRS/ and anti-armour detachment /POOd/ from their own unit-established artillery.

## 2. COMBAT DEPLOYMENT

- I TRS-ZP – will remain on the current firing positions. Transfer to next firing position will be in accordance with the situation development.
- II TRS-ZP – tb 130mm will assume firing positions /PP/ according to platoons: 1<sup>st</sup> tv /*tank platoon*/ in the area of Ključ village, 2<sup>nd</sup> tv in village of Pokrovnik and 3<sup>rd</sup> tv in the village of Rakovo Selo, expecting the positioning of vSVRL in the area of Badžimi village and hv 155 mm in the area of Kovilići village.
- III TRS-ZP – tb 130 mm /*will be deployed*/ in the area of Zelovo village, expecting the positioning of SVRL BM-21 in the village of Bajagić.

Axis Commands are in direct command of TRG /*Artillery rocket group*/ - ZG in the axis of their activities.

Artillery observation points will be determined in a manner that they provide a complete overview of the entire zone of the offensive activities and safe handling of artillery fire. Artillery observation point shall be manned by artillery observer equipped with instruments used for reconnaissance (artillery compass, laser distance measuring device and artillery binoculars).

In the axis of main forces activities, every TRS –ZP Commander shall have his own observation post. Land line is to be provided for every observation post.

### 3. T A S K S

#### a/ Artillery preparation

In their artillery preparation, the TRS units neutralise the enemy on the frontline and closely deployed mortar and howitzer batteries.

TRS – ZP neutralises enemy artillery and targets on the forward end if necessary.

PO /*anti-armour*/ artillery and rockets in artillery preparation shall be used for destruction of the resistant targets on the enemy forward end.

#### b/ Artillery support

Chiefs of artillery in various axes shall develop an artillery activities plan for their respective axis, based on the excerpts from the Artillery activities plan for ZP Split, Commander's decision on use of supported unit and own judgement.

### 4. A N T I – A R M O U R E D C O M B A T

Establish a POOd /*Anti-armour detachment*/ on every axis, with the principle task to stop possible counter-attacks by the enemy armoured forces.

During the preparation carry out reconnaissance all axes where the use of tanks is possible, determine the positions and carry out engineering work in them.

## 5. USE OF AMMUNITION

- support artillery ..... 4 b/k /combat sets/
- anti-armour artillery ..... 2 b/k
- carry out ammunition replenishment before the commencement of combat activities  
(in accordance to the attachment 13)

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WEAPON	ŠIBENIK						SINJ			
	7. gbr	4. gbr	113. br	142. br	TRS	TOTAL	126. br	6. dp	TRS	TOTAL
MB /mortar/, 120 mm	22	12	18	12	-	54	12	6	-	18
GUN,76 mm	2	2	5	2	-	11	3	-	-	3
SELF-PROPELLED GUN, 90 mm	-	7	-	-	-	7	-	-	-	-
GUN, 100 mm	5	-	3	3	-	11	2	-	-	2
HOWITZER, 105 mm	-	3	6	-	-	9	2	-	-	2
HOWITZER, 122 mm	-	2	-	-	-	2	-	-	-	-
VBR /Multiple rocket launcher/ "RAK"	2	4	4	3	-	13	3	-	-	3
SVLR /self-propelled multiple rocket launcher/ "BM-21"	-	-	-	-	1	1	-	-	1	1
GUN, 85 mm	-	-	-	-	-	-	1	-	-	1
GUN, 88 mm	-	-	-	-	-	-	1	-	-	1
GUN, 130 mm	-	-	-	-	6	6	-	-	3	3
HOWITZER, 152 mm	-	-	-	-	-	-	-	-	-	-
HOWITZER,155/203 mm	-	-	-	-	2	2	-	-	-	-
PORS, 9KII	4	5	9	2	-	20	6	1	-	7
PORS /Anti-armour rocket system/ "FAGOT"	1	3	1	-	-	5	-	-	-	-
PORS "MILAN"	-	1	-	1	-	2	-	-	-	-
PORS "TOW"	-	-	-	1	-	1	1	-	-	1
POLO /Armoured personal carrier?/	1	-	-	-	-	4	-	-	-	-
<b>TOTAL:</b>	<b>37</b>	<b>42</b>	<b>46</b>	<b>24</b>	<b>9</b>	<b>148</b>	<b>31</b>	<b>7</b>	<b>4</b>	<b>42</b>

## ARTILLERY IN ZP SPLIT

WEAPON	Axis ZADAR	Axis ŠIBENIK	Axis SINJ	Units in defence	TOTAL
MB /mortar/, 120 mm	45	54	18	38	155
GUN, 76 mm	8	11	3	8	30
SELF-PROPELLED GUN, 90 mm	-	7	-	-	7
GUN, 100 mm	7	11	2	4	24
HOWITZER, 105 mm	3	9	2	8	22
HOWITZER, 122 mm	8	2	-	-	10
VBR /Multiple rocket launcher/ "RAK"	10	13	3	6	32
SVLR /self-propelled multiple rocket launcher/ "BM-21"	2	1	1	-	4
GUN, 85 mm	-	-	1	2	3
GUN, 88 mm	-	-	1	1	2
GUN, 130 mm	4	6	3	-	13
HOWITZER, 152 mm	3	-	-	-	3
HOWITZER, 155/203 mm	1/1	2/-	-	-	3/1
PORS, 9KII	15	20	7	11	53
PORS /Anti-armour rocket system/ "FAGOT"	6	5	-	-	11
PORS "MILAN"	1	2	-	-	3
PORS "TOW"	-	1	1	-	2
POLO /Armoured personal carrier?/	2	4	-	-	6
<b>TOTAL:</b>	<b>116</b>	<b>148</b>	<b>42</b>	<b>78</b>	<b>384</b>

## TARGETS OVERVIEW

Target Number	TARGET DESCRIPTION	Target Number	TARGET DESCRIPTION
1	<b>Ruka village</b> – crossroads	23	<b>Benkovac</b> – police station
2	<b>St. Rok</b> – crossroads	24	<b>Benkovac village</b> – a firing position is located north from the village
3	<b>Pilar</b> – barite mine	25	<b>Benkovac</b> – hotel
4	<b>Gračac</b> – gas station	26	<b>Lisičić village</b> – Command post, communications centre
5	<b>Gračac</b> – crossroads, turn for Knin	27	<b>Senokos</b> (tt. 285) – Training centre
6	<b>Čelavac</b> – tower	28	<b>Čačići</b> – medical station
7	<b>Obrovac</b> – aluminosilicate factory	29	<b>D. Bruška village</b> – Community centre, school
8	<b>Obrovac</b> – gas station, bridge	30	<b>Lišane village</b> – crossroads <b>Ostrvica</b> – cut /?/ in the railway
9	<b>G. Zemunik</b> – centre	31	<b>Vukšić village</b> – firing position (south/west from the village)
10	<b>Smilčić</b> – medical station in the school	32	<b>Đevrske</b> – crossroads
11	<b>D. Biljane</b> – medical station in the school	33	<b>Kistanje</b> – crossroads
12	<b>G. Biljane</b> – firing position	34	<b>Promina</b> – radio relay
13	<b>Ostojići village</b> – firing position	35	<b>Vrpolje village</b> – ammunition warehouse
14	<b>Karin</b> – enemy reserve	36	<b>Knin</b> – barracks
15	<b>Karin – Slana</b> – Command post and medical station	37	<b>Knin</b> – post office
16	<b>Nadinska Gradina</b> – firing position	38	<b>Knin</b> – TVIK factory
17	<b>Malbaše village</b> – firing position	39	<b>Vrbnik village</b> – ammunition warehouse
18	<b>Vojvodići village</b> – firing position	40	<b>Erakovići village</b> – firing position
19	<b>Rašević village</b> – Command post and medical station	41	<b>Civljane village</b> – crossroads, Community centre
20	<b>D. Jagodnja village</b> – firing position and medical station	42	<b>Vrlika</b> – Command post
21	<b>Zapužane village</b> – Command post and firing position	43	<b>Brtni village</b> – firing position
22	<b>Benkovac</b> – barracks	44	<b>Jare village</b> – bridge on Cetina river

**Note: Chiefs of artillery in axes shall additionally plan and add necessary number of planned fires in their Artillery activities plan, in accordance with the new information, own judgement and targets presented in this overview.**

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**O V E R V I E W**  
**OF THE SITUATION RE ANTI-TANK GUIDED MISSILE SYSTEM /POVRS/  
 ACCORDING TO UNITS ON THE FRONTLINE**

<b>UNIT POVRS</b>	Station Operators	1. gmtbr	4. gmtbr	5. gmtbr	7. gmtbr	9. gmtbr	112. br	113. br	126. br	141. br	142. br	7. domp	domp BIOGR.	domp BENK.	PORS IZM-ZD	<b>TOTAL</b>
<b>“MALJUTKA” 9 K 11</b>	Station	7	5	6	4	2	2	9	6	2	2	1	3	2	5	<b>56</b>
	Operators	7	4	6	7	2	2	9	4	2	2	7	2	0	7	<b>61</b>
<b>“FAGOT” 9 K 111</b>	Station	2	3	3	1	1	1	1								<b>12</b>
	Operators	2	3	3	1	1	1	1								<b>12</b>
<b>“MILAN”</b>	Station		1												2	<b>3</b>
	Operators		1												3	<b>4</b>
<b>“ATEM” TF – 8</b>	Station														2	<b>2</b>
	Operators														2	<b>2</b>
<b>P O L O BOV – M83</b>	Station		3	2	1											<b>6</b>
	Operator		3	2	1											<b>6</b>
<b>T O T A L</b>	Station	<b>9</b>	<b>12</b>	<b>11</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>10</b>	<b>6</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>9</b>	<b>79</b>
	Operator	<b>9</b>	<b>11</b>	<b>11</b>	<b>9</b>	<b>3</b>	<b>3</b>	<b>10</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>7</b>	<b>2</b>	<b>0</b>	<b>12</b>	<b>85</b>

Chief of artillery, brigadier, Milan Mihić /signed/

**16**

/hand written document/

DEFENSE  
MILITARY SECRET  
STRICTLY CONFIDENTIAL

BOSNIA AND HERZEGOVINA  
CROATIAN REPUBLIC OF HERCEG-BOSNA  
MINISTRY OF DEFENSE  
HVO /Croatian Defense Council/ MAIN STAFF  
OG SJEVER /Operations Group North/  
TRS-2 /Artillery Rocket system/group/, Kovačić, 25.07.95  
Sent at: 19:00 Hrs

OC /Operations Centre/ OG Sjever

Subject: Daily Report

Upon the approval of the OG Sjever /Operations Group North/ OC /Operations Centre/ and the Chief of Artillery of the OG Sjever, the TRS-2 launched offensive

operation on the enemy with <sup>1/2</sup> a combat set /underlined as in the original/, that is:

152 mm TH /tank howitzer/ - with 24 pieces - on "Ana" C-112 and C-116

130 mm gun - with 15 pieces full charge and with 11 reduced charge on "Ana" 141 and 109,

203 mm - H /Howitzer/ - with 5 pieces on Glamoč. The operation took place between 05:18 Hrs and 05:24 Hrs.

Afterward we fired the following, broken by firing time:

- a) 152 mm TH 5 pieces at 05:58 Hrs; b) 130 mm gun 1 piece - at 06:05 Hrs;
- c) 203 mm - H 1 piece - at 06:5/?/ Hrs; d) 152 mm TH 12 pieces at 08:30 Hrs;
- e) 203 mm - H C-116 at 08:42 Hrs; f) 152 mm TH 4 pieces at 08:5/?/ Hrs c-114; /inserted above: C-112, 110, 115 x 4 pieces/
- g) map Ljudevit - H-72 - 152 mm TH - at 11:18 Hrs; h) Ljudevit - H-80 - 152 mm TH - at 11:30 Hrs - 1 piece, + 4 pieces after correction; i) Domagoj y-19 - 203

mm H - 1 piece - at 11:32 Hrs; j) Ljudevit - H - 92 mm - 130 mm gun 1 piece at 11:49 Hrs + 5 pieces at 12:00 Hrs; k) VBR /multiple rocket launcher/ - C-109 - 10- pieces - 11 VBR - 10 pieces - at 12:01 Hrs - Centre of Glamoč; m) TH-152 Tigar - E - 17 2 salvos + 2 salvos = 8 pieces from 12:16 Hrs - 12:20 Hrs, and Tigar E - 20 - 2 pieces - at 12:30 Hrs; n) TH 152 mm - Domag x-32 3 pieces from 12:45 Hrs - 13:04 Hrs; o) 152 mm TH "Ana" C-114 2 pieces at 13:30 Hrs to 13:45 Hrs; p) VBR - on Ana 120 1 piece at 14:05 Hrs and at 14:18 Hrs and after the correction 10 pieces at 14:31 Hrs and 5 more pieces at 14:36 Hrs; r) 152 mm TH on Ana 105 - 5 pieces at 15:50 Hrs; s) 203 mm - H with 2 pieces on "Ana" 115 - at 15:39 Hrs; š) VBR - Tigar E-20 - 10 pieces at 15:52 Hrs.

This means that today's expenditure was as follows:

1. 152 mm TH - 71 pieces
2. 130 mm gun - 33 pieces
3. 203 mm H - 11 pieces
4. 122 mm SVLR /self-propelled multiple rocket launcher/ - 47 pieces

- 2 -

Wire and radio communication with all participants was provided and reception was stable all the time.

Taking control of the observation point has been carried out by Sergeant Stevo HOLENDIĆ and Private 1st class Ivan IGREČ, from the 5<sup>th</sup> grbr /Guards Brigade/ of the HV /Croatian Army/, as of 03:00 Hrs (they are still up there.)

Numerical strength of troops: 82

Number of projectiles, broken up by weapons:

1. 122 mm SVLR - 112 pieces
2. 130 mm gun - 202 pieces
3. 152 mm TH - 257 pieces
4. 203 mm - H - 67 pieces

Tomorrow between 08:00 Hrs and 9:00 the we expect rotation from the TRD /artillery and missile/rocket battalion of the 5<sup>th</sup> grb /?r/ of the HV Croatia Army/, and I will be replaced by either Senior Lieutenant Zoran KURTOVIĆ or Lieutenant Tomislav ALAJICA.

TRS-2 Commander:

Captain

Blažo JANKOVIĆ

/signed/

It is confirmed that this transcript - copy is identical to the original document.

In Zagreb, 13.06.2007.

Certified by: /a signature/

/stamp reading/:

The Republic of Croatia, Ministry of Defense, Zagreb, 59

UNREVISSED

**17**

REPUBLIC OF CROATIA  
MINISTRY OF DEFENCE  
ZP /Military District/ - SPLIT  
4<sup>th</sup> Guards Brigade

DEFENCE  
MILITARY SECRET  
STRICTLY CONFIDENTIAL /SP/

CLASS: SP 8/95-01/17  
NUMBER: /?1114/-01-02-95-371  
Split, 14 August 1995

ZP SPLIT  
To the Commander, personally

SUBJECT: Analysis of attack  
operation *Oluja* /Storm/ 95

Pursuant to Split ZZZP /Military District Command/ Order Class: 8/95-01/17, number: 1080-01-95-370 of 10 August 1995, we hereby submit a brief analysis of the 4<sup>th</sup> gbr /Guards Brigade/s attack as part of the Split ZP attack operation *Oluja* 95.

Due to time constraints this analysis will be neither thorough nor complete, for three reasons:

- the first reason is that the 4<sup>th</sup> gbr's subordinate units have not conducted an analysis at their level.
- an analysis of this type requires far more time and the engagement of more direct participants in order to avoid us drawing erroneous conclusions from it which would make it counterproductive.
- the third, and the most important, is that for the 4<sup>th</sup> gbr (and the Split ZP), *Oluja* 95 began as early as spring 1994.

The liberation of the whole of the Livno *Polje* /basin/, overrunning the mountain *massif* of Dinara and Šator, and the liberation of Bosansko Grahovo in particular, created all the prerequisites for a rapid and effective liberation of Knin, and a continued advance towards Drvar, Bosanski Petrovac and Jajce.

The Croatian Army took all strategically important objectives, and established fire control over the only traffic route linking the so-called FRY /Federal Republic of Yugoslavia/ with Knin.

The HV /Croatian Army/ completely smashed the 2<sup>nd</sup> KK /Krajina Corps/ - eight to nine thousand soldiers - of the so-called Serbian Army.

Knin was thus cut off from its hinterland, and lost the security given it by the 2nd KK, and the supplies provided by the Bosnian Serbs, and thereby its link with the other so-called Serbian lands was reduced to difficult, almost impassable routes, which were themselves under threat because they came within the range of Croatian mortars.

By the start of *Oluja* 95, Knin was in fact in a hopeless situation, and condemned to wait for the final blow to fall.

Turning to Operation *Oluja 95* itself, it needs to be said that the enemy's front defence line was the slopes of the Knin Plešivica mountain, breached by bringing in of the 4<sup>th</sup> Guards Brigade, and the liberation of Knin was thus at hand.

The use of an encircling manoeuvre and the capture of the dominant features in the vicinity of the town of Knin meant that street fighting was avoided, because the so-called RSK /Republic of Serbian Krajina/ Army and the population evacuated on the night of day one.

There was more extensive fighting between 4<sup>th</sup> gbr units and scattered groups of Chetniks in the area of Golubić, Radijevci and Očestovo villages, where major losses in manpower and material assets were inflicted on the enemy.

#### CONCLUSION:

- First, the success was achieved thanks to the exemplary working-out of tasks, precisely delineated goals, good logistical support and exceptional morale among the men (winter on Dinara, -30 degrees C)
- Secondly, it is important to mention the important part played by the engineering units, who were certainly at the level of the best engineering units in the military world in their activities at Livno *Polje*, Dinara and Šator.  
It is thanks to the engineering works that Knin was liberated from the direction where this was least expected (over Mts Dinara and Šator), because the work of the engineering units enabled the armoured and mechanised forces and artillery to break through and deploy in what was an exclusively mountainous area.
- Third, and most important, is the outstanding mental and physical readiness of the units, so that in difficult meteorological and geographical conditions, as they moved from one attack to the next, they accomplished every task without a murmur.

#### NOTE:

This is a brief and superficial analysis of the *Oluja 95* attack operation. Far more time would be required for a complete and thorough analysis, and an analysis of Operation *Oluja 95* should cover all the attack operations at the Livno-Grahovo front. If you require one, kindly inform us and we shall draw up such an analysis.

ČSK/VL

COMMANDER  
Staff Brigadier  
Damir KRSTIČEVIĆ  
/signed and stamped/

/handwritten entries: see original/

Unit: 4<sup>th</sup> OMB /Armoured Mechanised Battalion/Place: KNIN*REPORT ON AMMUNITION CONSUMPTION*on 5, 6, 8 August 1995

No.	TIME (hour, min.)	EQUIPMENT	TARGET	TYPE OF AMMUNITION	AMMUNITION CONSUMED - QUANTITY	EFFECTIVENESS
1		M-84 TANK	ENEMY	125 mm TF /contact-fuse/	21 rounds	EXCELLENT
2		T-55 TANK	—"—	100 mm TF	154 rounds	—"—
3		M-80 BVP /infantry combat vehicle/	—"—	20 mm TZ /incendiary/	600 rounds	—"—
4		DŠK /heavy machine-gun/	—"—	12.7 mm	3,360 rounds	—"—
5		PKT /machine- gun/	—"—	7.62 x 54 mm	650 rounds	—"—
6		AP /automatic rifle/	—"—	7.62 x 39 mm	3,500 rounds	—"—
7		HAND GRENADE	—"—	M-92	60 rounds	—"—
8		HANDGUN	—"—	9 x 19 para /cartridge type/	120 rounds	—"—
9		HANDGUN	—"—	9 x 18 para.	100 rounds	—"—
	concluded	with number	(9) nine			

COMMANDER

/handwritten: Major Nenad ŽURE/

/signed/

REPUBLIC OF CROATIA  
MINISTRY OF DEFENCE  
SPLIT Z.P.  
4<sup>th</sup> Guards Brigade  
General Purposes Platoon  
Split, 17 December 1995

To: Chief of ONO /Organ for National Defence/, personally  
Colonel  
Stanko CELAR

SUBJECT: Report on ammunition consumption

During the two live-fire exercises at the Kukuzovac training ground and military and police operation *Oluja* 705 rounds of 9 x 19 PARA cartridges were consumed.  
We have nine barrels which use the above mentioned calibre of ammunition.

TT/ZE

Regards

Barracks Commander  
Major  
Tonči TURIĆ  
/signed/

To:  
- addressee  
- Barracks Commander  
- Commander of VON /?Forward Air Control/  
- files

REPUBLIC OF CROATIA  
MINISTRY OF DEFENCE  
4<sup>th</sup> gbr /Guards Brigade/  
2<sup>nd</sup> Infantry Battalion  
Number: 1114-02-02-95-563  
Knin, 12 August 1995

D E F E N C E  
MILITARY SECRET  
CONFIDENTIAL

SUBJECT: Ammunition consumption in attack  
combat operations of the 2<sup>nd</sup> pb /Infantry Battalion/

1. Bullet: 7.62 x 39	17,250 rounds
2. Bullet: 7.62 x 51	1,080 rounds
3. Bullet: 7.62 x 54	1,300 rounds
4. Bullet: 7.9	800 rounds
5. Hand grenade	67 rounds
6. Bullet: 5.45	350 rounds
7. ZOLJA /hand-held rocket launcher/	28 rounds
8. RPG /rocket propelled grenade/ – 7	17 rounds
9. OSA RBR /hand-held rocket launcher/ grenades	7 rounds
10. TTM /impact rifle grenade/	21 rounds
11. 120 mm TTF /?heavy contact-fuse/ shell	118 rounds
12. 120 mm LTF /light contact-fuse/ shell	287 rounds
13. 70 mm ČAPLJA rocket	36 rounds

TO:  
- ONO of the 4<sup>th</sup> gbr  
- files

COMMANDER  
Major  
Ivica UŠLJEBRKA  
/signed/

MINISTRY OF DEFENCE  
REPUBLIC OF CROATIA  
4<sup>th</sup> Guards Brigade  
1<sup>st</sup> Infantry Battalion  
CLASS:  
NUMBER: 1114-02-01-95-188  
Split, 11 August 1995

DEFENCE  
MILITARY SECRET  
STRICTLY CONFIDENTIAL

SUBJECT: Report on ammunition consumption from 26 July to 9 August 1995

7.62X39 mm BULLET	17,700	rounds
7.62X51 mm BULLET	175	rounds
7.62X54 mm BULLET	1,600	rounds
5.45X39 mm BULLET	550	rounds
5.56X45 mm BULLET	150	rounds
7.9 mm BULLET	1,640	rounds
9 mm BULLET	60	rounds
9X18 mm BULLET	100	rounds
12.7 mm BULLET	120	rounds
60 mm GRENADE	30	rounds
82 mm GRENADE	20	rounds
120 mm GRENADE	165	rounds
128 mm MISSILE	118	rounds
7 mm RPG	11	rounds
22 mm ZOLJA RPG	22	rounds
IMPACT RIFLE GRENADE	10	rounds
M-75 HAND GRENADE	115	rounds

AŠ/AŠ

TO:  
- ONO  
- files

COMMANDER  
Colonel  
Marko VUKASOVIĆ  
/signed/

MINISTRY OF DEFENCE  
REPUBLIC OF CROATIA  
4<sup>th</sup> Guards Brigade  
1<sup>st</sup> Infantry Battalion  
CLASS:  
NUMBER: 1114-02-01-95-188  
Split, 11 August 1995

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AŠ/AŠ

TO:  
- ONO  
- files

COMMANDER  
Colonel  
Marko VUKASOVIĆ  
/signed/



/handwritten entries: see original/  
4<sup>th</sup> Guards Brigade

\_\_\_\_\_  
(unit)  
CLASS: \_\_\_\_\_  
NUMBER: 1114-02-05-95-515  
Place and date: Split, 10 August 1995

To: BRIGADE COMMANDER

SUBJECT: RECOMMENDATION FOR REMOVAL  
FROM RECORDS AND ACCOUNT BOOKS

In the period from 27 July 1995 to 9 August 1995 the TRD /Artillery and Rocket Battalion/ of the 4<sup>th</sup> GBR consumed the following expendable material supplies per:

<u>Technical</u>	branch
_____	branch
_____	branch

<u>Artillery-rocket ammunition</u>	starting with number	<u>2</u>	to	<u>5</u>
<u>Infantry ammunition</u>	starting with number	<u>1</u>	to	<u>/</u>
<u>/</u>	starting with number	<u>/</u>	to	<u>/</u>

- We recommend that the expendable material supplies listed per branch be removed from the records and account books of the TRD of the 4<sup>th</sup> GBR.

Attached:  
Breakdown of consumption

COMMANDER  
/handwritten:/ Major Ivica DUVANČIĆ  
(rank, full name)  
/signed/

/handwritten entries: see original/

PAGE NUMBER   1  DATE:   10 August 1995  UNIT:   TRD  

## AMMUNITION CONSUMPTION

No.	NOMENCLATURE NUMBER								EQUIPMENT	DESIGNATION OF EQUIPMENT (TYPE, MAKE, KIND)	UNIT OF MEASURE	QUANTITY
1.	1	3	0	7	0	0	0	5	7.62 x 39 mm bullet	round	5,847	
2.	1	3	3	0	0	0	0	3	122 mm D-30 /towed howitzer/ bullet	round	888	
3.	1	3	3	0	0	0	0	4	122 mm M38 /machine-gun/	round	63	
4.	1	3	2	5	0	0	0	7	105 mm M56 /towed howitzer/	round	537	
5.	1	3	7	0	0	0	1	9	122 mm, 9M22-U /fragmentation/ Rocket	round	582	
									Concluded with number 5 (five)			

/handwritten: Major  
Ivica DUVANČIĆ/  
UNIT COMMANDER  
/signed/\_\_\_\_\_  
BOOKKEEPER/handwritten: Captain  
Tomislav BATIĆ /  
SPECIALISED ORGAN  
/signed/

This is a true transcript/copy  
of the original document.  
Zagreb, 16 August 2007.  
Certified by: /initialled/  
/stamped/

**18**

**6TH HOME GUARD REGIMENT****REGIMENT COMMAND  
WAR JOURNAL EXTRACT**

DATE	CONTENT	REMARK
	Our forces along the front line hold the area under control, in conformity with the ordered level of combat readiness. Other tasks are addressed, and logistic companies work on removing the flaws observed during the inspection. Situation in the AOR /area of responsibility/ is in order, and there are no changes with troops health issues. An UNCRO /United Nations Mission in Croatia/ team visited a section of the area through the 1st Battalion ranks; a single truck movement from Bravčev Dolac to Koljani was spotted on the temporary occupied territory, and another one carrying 5-6 troops, on the Gradac – D. Baljci road.	/round stamp/ Military post code no. 8311 1 /coat of arms/ Split
30.07.1995.	The enemy engaged with several automatic weapon bursts at 20:30 hours, from the positions at Bilandića Greda towards the positions on elevation 720, and also some scattered shots were heard from the direction of Borković at 11:50 hours. Three Chetniks in civilian clothes briefly visited Donje Selo; regarding vehicle traffic, a 110 truck movement, with a gun attached (probably H 105 mm), from Vrlika to Koljani was noted. Out units control the area along the front line and perform regular daily duties. 144th HV /Croatian Army/ Brigade personnel are conducting reconnaissance, as ordered, to prepare for the takeover of the AOR section from the 6th Home Guard Regiment. Situation in the AOR is in order, troops' health is adequate. An UNCRO team visited parts of the 2nd and 1st Battalion deployment, whereas the usual movement of vehicles with UN /United Nations/ markings was spotted on the temporary occupied territory.	/round stamp/ Military post code no. 8311 1 /coat of arms/ Split
31.07.1995.	Between 14:00 and 14:15 hours, the enemy fired in total 10-12 rounds from a tank gun at Opsenjak and from a 120 mm mortar at Bravčev Dolac, towards elevation 1532 Jančija Glava and towards Glavice, within the "Dinara" farm. Intensified enemy infantry movements and motor vehicle traffic have been spotted, chiefly in the direction of Drniš. A group of 5-10 Chetniks was intermittently spotted on elevation 894 Obodina, during the course of the entire day; troop carrying trucks were also spotted along the Otavice – Gradac – D. and G. Baljci road, driving in both directions. A truck brought 13 Chetniks to Borkovića farm from the direction of Vrlika. Only two or three trucks drove along the Koljane – Bravčev Dolac road and back. Our forces did not respond to enemy activity because of the position takeover by the 144th HV Brigade. After	/round stamp/ /illegible/

DATE	CONTENT	REMARK
	the takeover, the 6th Home Guard Regiment AOR is again, as before, G. Strunje (inclusive) on the left side and Peruča lake on the right side. The units accomplish their tasks with increased caution and vigilance, especially during night hours. UNCRO personnel did not visit our positions today, and only two vehicles with UN markings were spotted on the temporary occupied territory, on the Drniš road.	
01.08.1995.	There was no hostile enemy activity today, apart from one round fired from an automatic weapon, heard from the direction of Lisina at 20:00 hours. Three Chetniks were again seen while descending from Obodina towards Kitica, and one truck from Baljak brought five Chetniks to Jošića Greda. A group of 12 enemy soldiers walked from Raba along the road to Vrlika. Traffic intensity as usual. The units perform the main task of control and surveillance of the line in accordance with the ordered level of alertness. All other daily duties are also carried out. Engineers repair roads and signal units are engaged in setting up and testing the communication lines system. Three French journalists, arriving from the direction of Grivci, tried to cross the Balina Glava checkpoint, and an American and a Spanish journalist were stopped at the 1st Bat./6th Home Guard Regiment positions in Kanaeti. Their data was taken, SIS /Security Intelligence Service/ notified and they were taken away from the lines. An UNCRO team visited sections of 1st Bat./6th Home Guard Regiment deployment, while there was only scarce movement of their vehicles on the temporary occupier territory, on the road to Drniš.	/round stamp/ /illegible/
02.08.1995.	The enemy did not engage on our positions, and a small arms fire was heard from the areas of Otišić and Jazvić in late evening hours. A group of 7-10 Chetniks was spotted twice, fortifying positions nearby Bešević, whereas vehicle traffic was of small intensity. There is no any knowledge on changes in enemy positions. Our forces did not engage in combat. All activities are focused on attaining the ordered level of readiness. State of health of the personnel is adequate and there are no changes in deployment. UNCRO did not visit our positions but there is an increased traffic of their motor vehicles on roads to Drniš and Vrlika, on the temporary occupied territory.	/round stamp/ Military post code no. /illeg./ 1 /coat of arms/ Split
03.08.1995.	Apart from several short bursts and single shots, there were no combat activities coming from enemy lines. Intensified vehicle traffic could be heard during evening and night hours, and powerful engine noise indicates the movement of heavy vehicles or armour. Enemy troop transport was observed several times, on the Drniš road between Gradac and D. and G. Baljci. Apparently, the enemy brings reinforcements on the front line and deploys heavy armament on firing positions. Our forces closely monitor the enemy activities. Unit readiness is at the highest level and an urgent re-supply of ammunition and other required materiel has been requested. Two tanks arrived at our positions early this morning, around 06:30. A T-34 on the positions in direction of Drniš and a "Patton" in directions of Vrlika. Those tanks are inadequately equipped and it was urgently requested to rectify that (Operational Group Sinj). During the evening, the Commanding Officer and Chief of Staff issued orders to the unit commanders and staff members, having previously visited infantry and artillery missile battalions' command posts, in order to define the objectives. There are no UNCRO representatives on our lines, and an increased traffic of their various purpose vehicles has been spotted on the Vrlika road. Situation in the AOR is in order and troops' health is adequate.	/round stamp/ Military post code no. 8311 1 /coat of arms/ Split
04.08.1995.	Our forces are in the state of full combat readiness from the earliest morning hours and wait for the START signal. AT 05:00 HOURS AN "OPEN FIRE"	/round stamp/ /illegible/

DATE	CONTENT	REMARK
	<p>SIGNAL WAS RECEIVED, THE COMMENCEMENT OF THE "KOZJAK – 95" OFFENSIVE OPERATION. Our coordinated activity focused in the direction Ljuti Gaj – Buzova Staje – Lisina – Greben – Milankovića Staje, our immediate objective being to strike the enemy's flank and take control of G. Baljci, Obodina, Konjska Glava, Samograd. The strongest enemy's resistance, supported by their artillery, was encountered on elevation 894 Obodina. Enemy returns small arms fire almost along the entire front line; 3rd battalion of 6th Home Guard Regiment fires mortar shells in support of 4th and 2nd battalion, tying up a section of enemy forces. Our forces reached the line Ružića Gradina – D. Selo – G. Baljci – Lisina – Konjska Glava – Borkovići and are preparing and resting for further actions in the early morning of 05.08. The enemy still holds the elevation 894 Obodina.</p> <p>Unfortunately, we had one killed and several wounded combatants on the first day of offensive operations. Around 09:25 hours, members of 2nd Bat./6th Home Guard Regiment GORDAN DELIĆ, son of Čedo, born 01.11.1949, ŽARKO PERANIĆ, son of Božidar, born 18.03.1972, NENAD MRAVAK, son of Josip, born 28.05.1975. and RENATO JURIĆ, son of Mato, born 08.04.1968. hit a trip-wire mine on elevation 1229 Greben.</p> <p>GORDAN DELIĆ gave his life for the homeland, and Žarko PERANIĆ, Nenad MRAVAK and Renato JURIĆ were heavily or slightly wounded. ŽELJAN KUTLAČA, son of Mirko, born 16.05.1972, was hit in the arm at 11:50 hours, while assisting in the evacuation of casualties (hardship of combatants on Svilaja mountain).</p> <p>A recoilless gun crew, members of the Anti-armour Battalion, STANKO BEZINA, son of Ivan, born 01.05.1967, ANTE JAKELJA, son of Ilija, born 23.08.1967. and ZDRAVKO ČULIN, son of Marko, born 20.11.1975, were wounded in Donje Strunje by Chetnik mortar shell fragments, around 11:00 hours. A fragment penetrated the back of Stanko BEZINA and he is seriously injured. ŽELJAN ZEBIĆ, son of Vladimir, born 24.05.1973, suffered two gunshot wounds in the area of Jazvić – Obodina, around 07:00 hours. All wounded troops were provided for on the spot and taken by ambulance cars and by helicopters to the Split Clinical Hospital as soon as possible. On the same day, Stanko BEČIĆ, son of Špiro, born 11.10.1960, Zoran MATETA, son of Srećko, born 04.04.1960. and Mladen ŠEŠIĆ, son of Radoslav, born 18.07.1969 got some slight sprains, whereas Sando MODRIĆ, son of Duje, ruptured his leg muscle. Offensive movements of the 6th Home Guard Regiment units are coordinated from the forward command post on Turjača by a four-member operational team of the 6th Regiment Command, headed by Colonel Mirko KLARIĆ, and from the command post in the village of D. Ogorje by the Chief of Staff Major Nikola TOKIĆ. There are no observers within our lines and several members of the protection force from Ivicina Glava, Konjska Glava and Kurbaruša were accommodated by our troops and taken to the command post. They were treated fairly, given food and drink, their data was taken and they were transported to Divulje barracks, in cooperation with the liaison officer, Major BANDALO.</p>	<p>KILLED: GORDAN DELIĆ "DORDANO"</p> <p>WOUNDED SOLDIERS</p> <p>/round stamp/ Military post code no. /illeg./ 1 /coat of arms/ Split</p>
05.08.1995.	<p>During night hours, awaiting for the earliest hour of the morning, our forces re-supply with ammunition and take a rest for the continuation of the offensive operations, particularly for capturing elevation 894 Obodina, which is a prerequisite for fulfilling the immediate objective and securing conditions for a successful advance of the 1st and 3rd battalion and our right hand side neighbour, the 144th Brigade of the Croatian Army, along their secondary directions of advancement. All assault groups are ready by 03:30 hours. 4th Bat./6th Home Guard Regiment are approaching Obodina, 2nd Bat./6th Home Guard Regiment from Lisina are securing the flanks and our artillery is heavily pounding the</p>	<p>/round stamp/ Military post code no. 8311 1 /coat of arms/ Split</p>

DATE	CONTENT	REMARK
	<p>Chetnik stronghold. At 08:50 one can hear echoing over the radio links: "EVO ZORE EVO DANA – EVO JURE I BOBANA" /The dawn has come, the daylight has come, Jure and Boban have arrived/. OBODINA HAS FALLEN! Chetniks are on the run, our troops are entering D. Baljci and Ružića Gradina has fallen too. On the left flank, the troops march into Gradac and continue towards Otavice, while the 1st Battalion marches into Otišić and moves on through Derveno towards Vrlika, on the right flank. The enemy is routed, they leave their dead behind, abandon weapons and equipment and run. The prisoners of war are sent to Sinj, after their data has been taken. There is no more immediate or next objective. Everything has merged into one. 3rd Battalion advance through Marijane and at 13:45 our fighters march into Vrlika and Maovice. The news that CROATIAN ARMY captured CROATIAN KNIN gives strength to our warriors from the 6th Home Guard Regiment. The rugged Svilaja mountain is no more an obstacle. By 22:30, the line Parčić – Lemeš – Kuk has been reached (elevation 986). During the night, the troops have been regrouped, taken some rest and ammunition has been re-supplied. Two of our heroes sacrificed their LIVES TO THE ALTAR OF THE HOMELAND today. Around 12:30 hours, a vehicle carrying two Artillery Missile Battalion troops hit an anti-tank mine in the village of Donje Selo area, towards Baljci. Commander of the Artillery Missile Battalion commanding battery JOŠKO VULIĆ, son of Srećko, born 24.02.1967, was killed and LOVEL ČIKEŠ, son of Mirko, was seriously injured. Four 3rd Battalion troops hit a trip-wire bouncing mine in the area of Lusina Glava around 13:30 hours. Private VLADO BEKIĆ, son of Franjo, born 26.02.1956. was killed then, while ĆIRO TOMIĆ, son of Mijo, born 18.09.1966, ANTE JOVANOVIĆ, son of Ivo, born 04.01.1971. and PAVAO JURADIN, son of Ante, were wounded. The wounded men were taken care of on the spot and subsequently evacuated to the Split Clinical Hospital by ambulances and a helicopter. An injury of private MILE KUDUZ, son of Dujje, born 15.02.1973, was also reported (left knee contusion). Groups of Chetnik prisoners of war have been transported to Sinj, while UNCRO protection force members have been treated fairly and taken to Divulje or Sinj.</p>	DEAD AND WOUNDED
06.08.1995.	<p>This morning our troops continued to advance, secure the terrain and eliminate small 'pockets' of lingering Chetniks groups. A detachment of our forces entered the 142nd Home Guard Brigade area of responsibility (as requested by the Commanding Officer of the 142nd) to search and secure the area of Kričak. The terrain is cautiously searched and captured enemy groups are taken to the Sinj collection point. No unduly conduct towards civilians has been recorded. 2nd Battalion troops spotted an enemy unit in the area of Grujići – Vujovići – Graovci, resisting and opening fire on our forces. The enemy was neutralized with the multiple rocket launcher fire. Forces of the 6th and 142nd Home Guard regiments joined in Srednje Kričke at 11:00 hours. We have not had any killed or wounded soldiers in our ranks today. Engineers are clearing anti-tank mines on the road to Vestić and on Donje Selo – Donji Baljci road. All the road communications are being cleared and brought into function to facilitate fast and secure logistic support for our troops on the reached lines. Signals units successfully establish communication systems. All the services operate normally.</p>	<p>/round stamp/ Military post code no. 8311 1 /coat of arms/ Split</p> <p>/round stamp/ Military post code no. 8311 1 /coat of arms/ Split</p>
07.08.1995.	<p>During the course of the day, the 6th Home guard Regiment units are close to completion of their task. The troops halt their advance on the Zvjerinac – Biskupija – Kozjak line and deploy on the designated positions; 1st Battalion in Otišić, 2nd Battalion in Štikovo – Maovice and 3rd Battalion in Biočić – Kanjane. A small section of the forces is still behind on the starting positions, securing and organizing materiel and equipment. Mine clearance and work to</p>	<p>/round stamp/ Military post code no. 8311 1 /coat of arms/ Split</p>

DATE	CONTENT	REMARK
	make the roads operational have continued, and collection of Chetnik weapons and ammunition has started. All tasks are carried out with a high degree of caution. Troops' health is adequate.	
08.08.1995.	<p>THE FALLEN CROATIAN HEROES, members of the 6th Home Guard Regiment, GORDAN DELIĆ - ĐORDANO, 2nd Battalion, JOŠKO VULIĆ – HOGAR, Artillery Missile Battalion and VLADO BEKIĆ, 3rd Battalion, were buried with full honours on the Lovinac cemetery in Split today in the afternoon, in the presence of their relatives, a large number of comrades in arms, friends and citizens.</p> <p>Apart from searching and clearing the terrain, other tasks of our units are focused on relocating and securing the designated deployment areas. Eleven persons, some in Chetnik uniforms and some in civilian clothes, have been caught in the 2nd Battalion area of responsibility, in the general area of the village of Štikovo; after collection of their data, they have been transferred to Sinj. The search of the terrain and collection of war booty (ammunition, explosive ordnance, weapons) are done with full precautionary measures and with security of men in mind. Troops' health is adequate.</p>	/round stamp/ /illegible/
09.08.1995.	The main focus of today's activities is once again on searching and clearing the terrain. Four civilians (male) have been spotted in the general area of the village of Štikovo, their data recorded by the SIS operative and forwarded to Sinj. The work has started on setting up the future 6th Home Guard Regiment forward command post in Miočić and a communication centre. Redeployment of our forces continues, so that the Artillery Missile Battalion takes up positions around D. Baljci, PZO /Anti-aircraft Defence/ Platoon in Biočići and Anti-armour Battalion in the area of Otišić. There have been no activities of the still lingering and hidden Chetnik bands spotted. Troops' health is in order. Sanitation of the terrain is in progress, where dead farm animals present a significant problem.	
10.08.1995.	The units continue to clear and search the terrain. Seven enemy paramilitaries have been captured or surrendered. The work also continues on the communication system setup, securing the roads, clearing and marking the mine fields. More enemy war materiel has been collected – ammunition and weapons. All other activities go on as usual. Some EZ /European Community/ observers' vehicles have been stopped and sent back in Parčić, because of their unannounced and unauthorised entrance into the war zone. The state of health is in order.	'+' /handwritten/
11.08.1995.	The work continued on marking and partial clearing of the mine fields. No new prisoners of war have been captured today. 6th Home Guard Regiment Commanding Officer and unit commanders conducted reconnaissance in the future area of responsibility, Strmica – Tičevo. According to the agreement with the mayor of Drniš, the municipal chief RUŽIĆ, and with police departments, the civilian institutions should assume the full authority as of 11.08, because of the gradual reassignment of the 6th Home Guard Regiment units to new tasks. UN representatives sent back from the area of Baljci. Troops' health is in order.	/round stamp/ Military /illeg./ /coat of arms/ Split
12.08.1995.	Between 04:00 and 05:00 hours portions of the 1st and 4th Battalion leave the present area of responsibility and go towards Strmica, with orders to take up positions in the new area of responsibility within the boundaries: left, trig. point 1654 Veliki Vrh, inclusive – right, trig. point 1123 Biljeg, exclusive. The main task is to search the terrain and organize active defences. The Regiment command post setup is in progress in the village of Golubić. Detachments of 2nd and 3rd Battalion are relocated to take a short rest and to collect equipment and materiel. The commanding staff team moved to the new area of responsibility,	/round stamp/ /illegible/ Split

DATE	CONTENT	REMARK
	<p>headed by the Chief of Staff Captain Nikola TOKIĆ. New tasks have immediately been given attention and other units successively arrive to new positions, headed by the Artillery Missile Battalion and parts of the Logistics. Another member of the Chetnik forces surrendered within the lines held by the 3rd Batt./6th Home Guard Regiment.</p> <p>The situation in the new area of responsibility is unverified and problematic, and, contrary to the anticipated, there are no troops on the designated positions to hand them over to us. The terrain is gradually and carefully searched, especially in the immediate area of deployment. 1st Infantry Battalion troops captured one Chetnik (Jovo JARIĆ) in the evening hours; that individual was interrogated and transferred to the Military Police in Knin. A platoon from the 3rd Infantry Battalion was sent this afternoon to guard the Military District Command in Knin, and 16 troops from the 2nd Battalion were transferred to guard the Operational Group South command post in Sajkovići. There are no combat operations, but signal troops, headed by chief SUŠAC, encountered a group of around 20 141th Brigade members during morning hours, en route to Bosansko Grahovo. They claim that the Chetniks repeatedly shell Biljeg with mortars, so they left their positions, while there are still some twenty of their fellow soldiers left in the immediate area of Biljeg.</p>	
13.08.1995.	<p>The night of 12th to 13th August was calm. Since very early in the morning, the combat groups are gradually and cautiously advancing towards the points of resistance: trig. point 1653 Veliki Vrh, trig. point 1604 Jarića Vrh, trig. point 1526 Ječmište, trig. point 1535 Jasenov Vrh and trig. point 1523 Goli Bat. As soon as at 06:25, the report has arrived from the Operational Group South that trig. point 1123 Biljeg and trig. point 1073 Cigelj (in the 141th Brigade area of responsibility) are still held by the Chetniks, which greatly affects the completion of our task, in terms of securing our right flank. After the new situation has been assessed and taken into account, new orders to the units are issued immediately. Signalmen Bože KUŽIĆ and Drago ILOVIĆ have been sent to the area of Derale, with the task to set up a repeater on trig. point 1130 Kuk. Artillery reconnaissance Leo CVIJETIĆ and Ognjen KREŠIĆ, who were assigned a task to check the possibility of artillery fire observation and guidance, accompanied them, in a Lada Niva car. They were ambushed by the Chetniks near the Derale pass, when Bože KUŽIĆ managed to report back about the incident and him having been wounded (serious face and jaw injury). During the recovery operation, the vehicle with other three soldiers was not found, nor was any clue to their fate. In the new tactical and operational situation, the activities are focused on the right flank towards trig. point 1123 Biljeg and trig. point 1073 Cigelj. Our advancing forces are supported by the artillery fire. The enemy returns fire as well.</p> <p>Two battle detachments of some 20 troops, from the 1st Infantry Battalion, have been sent to the trig. point 1059 Zekinica and trig. point 1051 Živkovića Ogradak, around 19:45 hours. The enemy constantly shells the area of Biljeg with mortars, while the chief of staff requests the support from the Artillery Missile Battalion from the Operational Group South, to open fire at the Trivanov Do area and Peć in Grahovsko Polje valley. We received reports on casualties in our ranks in the area near Biljeg, at 19:55 and 20:15 hours. Commanding Officer of the 2nd Infantry Battalion was issued orders to deploy with 100 (one hundred) men in the area of the village of Golubić no later than 10:00 hours on 14.08. Our howitzers opened fire on the Stožište area at 20:35 hours. During today's activities and combat operations in the area of Ciglelj, trig. point 1073, ALJOŠA RUSPIĆ, son of Miljenko, born 26.06.1972, died from a gun shot in the head, around 12:00 hours. IGOR KOPRČINA, son of Ante, born 04.10.1971, from the 1st Battalion,</p>	<p>Injured BOŽE KUŽIĆ</p> <p>Missing - LEO CVIJETIĆ - OGNJEN KREŠIĆ - DRAGO ILOVIĆ</p> <p>Killed: - ALJOŠA RUSPIĆ - IGOR KOPRČINA</p>

DATE	CONTENT	REMARK
	<p>was killed in the area of trig. point 1123 Biljeg, after being shot in the head, around 20:00 hours. The following combatants were wounded approximately at the same place and time: ILIJAS JEZERKIĆ, son of Salih, born 07.01.1966, from the 1st Battalion (back wound and a shrapnel in the lungs), IVAN JOVANOSKI, son of Blaž, born 03.11.1965, from the 2nd Battalion (left shoulder wound) and ANTE SAŠA, son of Jakov, born 01.07.1964, from the 1st Battalion (right shin wound). All wounded people were attended to on the spot and then transported to the Knin general hospital for further treatment.</p>	<p>Injured: - ILIJAS JEZERKIĆ - IVAN JOVANOSKI - ANTE SAŠA</p>
14.08.1995.	<p>After coming back from the Military District Command, he presented the overall situation around 03:00 hours, and issued tasks for the offensive operations starting at 05:00 hours /sic/. Combat readiness at 04:00, the objectives are to take back the trig. point 1123 Biljeg and trig. point 1073 Cigelj, in a coordinated attack with a company from the 7th Guards Brigade of the Croatian Army, and to cut the road to Resanovci nearby Peć in the Grahovsko Polje valley. The secondary objectives are to take over the positions from the 126th Home Guard Regiment which they reached up to that time, left flank trig. point 1231 Planinica exclusive – right flank elevation 1376 inclusive, and to immediately start to fortify and organize active defences. Artillery fire to soften up enemy positions and prepare the attack begins at 05:05 hours. Our forces capture Biljeg at 05:45 hours and our artillery gradually redirects its fire to the depth of the enemy positions. We joined with the 7th Guards Brigade in the area of Zeknica at 08:32 hours and the 2nd Battalion Commanding Officer arrived in the area of Gloubić, with 80 troops, at 10:00 hours. The Chetniks open mortar and artillery fire on the general area of Biljeg and Cigelj, between 10:20 and 11:15 hours. The area of Trivanov Do was put under control around 15:15 hours. Our forces reached the line Biljeg – Košćice – north-western slopes of the Trivanov Do around 15:30 hours, and 7th Guards Brigade troops enter Trivanov Do itself. Consolidation on the reached line trig. point 1123 Biljeg – trig. point 1120 Čulum – elevation 1071 height in front of the Vukobratov Do hamlet – trig. point 1073 Cigelj was ordered at 19:00 hours. According to the 4th Battalion Commanding Officer's report, our forces joined with a group of 141st Brigade troops at Cigelj around 21:00 hours. There were no losses in our operations until now, and there are no news on the three missing soldiers. We inflicted losses of men and equipment to the enemy.</p>	<p>/round stamp/ Military post code no. 8311 1 /coat of arms/ Split</p>
15.08.1995.	<p>During the afternoon, our forces search the terrain in the area of the reached lines and gradually advance. A wire communication line Strmica – Golubić – Knin was set up at 14:10 hours, and the Knin Military District Command informed us at 14:30 hours that the 4th Guards Motorised Brigade would take up positions at trig. point 964 towards Resanovci and not to open fire at that area. Combat troops of the 4th Battalion captured Trivanov Do around 16:40 and then proceeded to Vrlinac. They informed us from Knin (Military District) at 17:15 hours that the 4th Guards Motorised Brigade entered Resanovci, and that there was no enemy resistance. Our forces reached the line Mali Bat – trig. point 1273 Ružin Palež – trig. point 1104 Jojića Vrh summit at 18:55 hours. We had no wounded or killed, and OGNJEN KREŠIĆ, son of Željko, from the Artillery Missile Battalion, born 23.07.1955, one of the missing since 13th August in the area of Derale, has been identified among the killed troops of the 141st Brigade.</p>	<p>/round stamp/ Military post code no. 8311 1 /coat of arms/ Split  OGNJEN KREŠIĆ killed 13.08. identified</p>

/stamp/

This is to certify that this transcript-copy is identical to the original document.

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Zagreb

Ministry of Defence

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**19**

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OPERATIONS LOG BOOK	3
During "Oluja" /Storm operation/	5 - 22

4 till 7 August 1995

UNREVISED

4 August 1995

0:05:00 All units of the Šibenik OG /Operations Group/ take action after the signal "Vatra" /fire/ - Colonel Ivan VUKIĆ, Commander of OG Šibenik

0:05:03 Cob /?information centre/ alert for Šibenik county and Unešić municipality - /illegible/ Vinko ŠUPE.

0:04:58 Had a problem with UNPROFOR – returning upon the order of the Zadar IZM /forward command post/.

0:05:03 CoB /?information centre/ declared state of alert.

0:05:06 hours – communication towards /Split/ established, Split works toward Livno.

0:05:10 hours – Commander VUKIĆ called Zadar IZM– check if all started at 0:05:00 ?

0:05:10 hours – GD /?guard/ from Debeljak reported that /they/ are firing at Promina.

0:05:30 hours – Commander reported to TS2 that there is fire /illegible/ from 130 mm.

0:05:35 h – TS2 reported that up to 10 rounds fell.

0:05:30 h – one wounded in the sector /illegible/ stepped on a mine, 142<sup>nd</sup> DP /Home Guard Regiment/ reported (ARENA /comment: possibly a code name/).

0:05:40 h – check of connections with the District – everything is all right.

0:05:45 h – communication established with the IZM Miljevci.

0:05:50 h – /?radio reconnaissance/ reported that fire is opened at target /?IZM/ our UBR /abbreviation unknown/ fires at Knin

0:05:51 h - /?Uzcši/, Umci, Pupolj and Peleš Lokva and - /illegible/ 142<sup>nd</sup> DP /Home Guard Regiment/ Commander reported.

0:05:50 h – /?radio reconnaissance/ from Vedro Polje fire on Knin.

0:05:53 h – 10 UNPROFOR men turned back from Poljane

0:05:55 h – Chief of Topusko ordered TS2 that 203 fire on Drniš.

0:05:58 h – TS2 reported that the /communications/ repeater at /?Promine/ was hit (/illegible/ shell close).

0:06:03 - Captured Paleš Lokva, Dugorac, they are going towards Lisina – reported the IZM - 142<sup>nd</sup> DP.

0:06:08 – Check of communications with 6<sup>th</sup> DP – fine. All is going on in order.

0:06:12 Check of the radio communications with the 142<sup>nd</sup> DP.

0:06:25 TS2 ordered NT /abbreviation unknown/ to turn 1 2 guns to A2TS=55,00

0:06:26 Communication towards Miljevci in /illegible/ - established.

0:06:28 From /?Ante/ UMCA a tank noticed in Boljci.

0:06:30 Member of 1<sup>st</sup> Battalion 142<sup>nd</sup> DP, Rajko MARIN wounded, Commander of the 142<sup>nd</sup> DP reported.

0:06:45 Staff Brigadier ADEMI called for Commander Ivan VUKIĆ.

0:06:46 Colonel VUKIĆ ordered to TS2, to send 2 /illegible/ 203 to the top of Promina.

0:06:55 Arena /comment: possibly a code name/, a lorry of Chetniks in the village of Krička, hamlet of Borjani.

0:07:00 NT informed the 142<sup>nd</sup> to hit the lorry and Chetniks

0:07:03 General KOVAČEVIĆ informed Lt Col RODIĆ that he may not leave the position alive as he is being fired at in Knin.

0:07:15 PD from Debeljak – Chetniks are informing all to come down to the /?plain or depth/ as our men are coming from Peleš towards Košić; BOČIĆ reported that there is heavy fighting in Žitnić around Košić.

0:07:25 Chetniks requested that the road 200 m from Peleš and Molod would be covered.

0:07:28 113<sup>th</sup> there was no repositioning of the front line.

0:07:30 15<sup>th</sup> DP in their code table /?"Dut"/ AM 43, 47, 48, 37, 34, 28, 26, 27 between 32 and 33.

0:07:36 Officer on duty of Zadar IZM– around there is an observation location of the UNPROFOR, they could be /?fired at/ a bit.

0:07:38 Chetniks are asking if the canyon is safe.

0:07:40 “Jasen” /comment: possibly a code name/ requested of “Membrana” /comment: possibly a code name/ (Chetniks) that they would send them reinforcement as their left wing is not safe, near Košić.

0:07:45 Arena /comment: possibly a code name/ reported to Miočić that the lorry with the Chetniks is transporting most probably UBR.

0:07:50 From H203 at target /illegible/ Trogir, between 28 and 28.

0:07:51 "Kadulja" /comment: possibly a code name/ asked for Commander Colonel VUKIĆ.

0:07:52 Bočić requested /?fire/ between trig point T28 and T29

0:07:58 Chetniks informed that the situation in Košić is under control.

0:08:00 113th along the line Karlovac 50, Gospić 3, Gospić 9 and Gospić 6, West 400 South 240

0:08:03 142<sup>nd</sup> DP requested that 30 policemen would be sent to Pokrovnik

0:08:05 NT ordered to TS2 to cover with fire the target 206 after "Potop" /comment: perhaps means complete destruction/, and 2 targets x 62250, y= 98000 z=370 and 2 targets = 63700, y= 98500 z=360

0:08:10 NT ordered TS2 – 2 rounds on 203 along Promina summit

0:08:11 Chetniks asked all to fire at Molode, allegedly they are firing at Doc.

0:08:12 Our rounds are falling on Molode, 142<sup>nd</sup> informed.

0:08:15 Our /communications/ repeater out of order. 15 coming through the reserve channel.

0:08:20 Chetniks got reinforcement in Košić, /illegible/ reported.

0:08:30 Check of communications with 15<sup>th</sup> DP.

0:08:30 Chetnik tank at /garbage dump/ the 142<sup>nd</sup> informed to cover it with fire.

0:08:33 /Fire at/ Pula 14, Pula 24, Pula 30, south 200m, west 400, Pula 2, F24, south 200m, F25 east 400m, south /illegible/, F23, F01, F13, F11 south 600m, 6935, 6934, 6945, 6946, Šibenik 27, Šibenik 26, 4048, 4034.

0:08:37 Howitzer 203 hit the enemy target at 155. NT /abbreviation unknown/ issued the task to cover with 9 shells 130 the /?north/ barracks in Knin.

0:08:50 Enemy attack is expected, from air force, /illegible/ reported.

0:08:55 Report from 142<sup>nd</sup> DP.

Old road, Kašić, /?Asanović/ and Dugavac, there is infantry fighting. Paleš, Pupolj, Umci and Crni Vrh, are in our hands. At the garbage dump a tank. Left flank waiting, from Promina enemy infantry is coming down.

0:09:00 6<sup>th</sup> Regiment requested support from /?109<sup>th</sup>/. /Illegible/ support at the /?Potop/ /comment: perhaps means complete destruction/ target 210-200-d 250, 213-100 L 500, 217 d 750

0:09:05 113<sup>th</sup> still did not start acting.

0:09:20 Chetniks requested reinforcement for the village of Košić, it is about /?seconds/. General MRKŠIĆ requested the air force to act.

0:09:30 113<sup>th</sup> pbr /infantry brigade/ started operating in the entire zone of responsibility.

/Illegible/ Mile KABIĆ 1<sup>st</sup> Battalion 1<sup>st</sup> Company 142<sup>nd</sup> DP lighter  
/Illegible/ Boško ROMLJAK – Senior Lieutenant  
/Illegible/ Ante RELJANOVIĆ

/?0:10:00/ TS4 ordered NT from time to time fire with a 130 mm gun  
target x= 72000  
y= 97000  
z= 240

0:10:15 “Kadulja” /comment: possibly a code name/ reported that the Chetnicks used toxic agents in Kosića Dol

0:10:20 Pvo /anti aircraft defense/ informed that there will be bombing from air of Miljevci plateau.

0:10:16 /Illegible/ for all the OG /operations group/ units - - introduced the signal "air".

0:10:20 Our fired from aircrafts at Udbine and can not /illegible/ Udbine. MRKŠIĆ ordered lifting of the air crafts from Banja Luka and firing of rockets at us.

0:10:25 OG Commander VUKIĆ ordered TS2 to fire two shells on the summit of Promina and at /illegible/ targets of 228 and 231 "Potop" /comment: perhaps means complete destruction/.

0:10:27 142<sup>nd</sup> DP has three prisoners Chetnicks.

0:10:35 /?Ponula/ Jovo /?Jogodi/ near /?Jagode/ Chetnicks noticed 30 our men – informed about.

0:10:38 Enemy aircraft from Direction 2, PVO informed.

0:10:40 Commander of the 142<sup>nd</sup> DP requested that fire would be opened at the village of Manojlovići.

0:10:55 Support 2 shells of 203 at the village of Manojlovići NT 06.

0:11:05 T-18-T-29, T 27, T 13, Z 28 from 16<sup>th</sup> DP.

A 58, 1 59 and A 47.

0:11:15 ED /abbreviation unknown/ our two tanks going from Plovčanik towards Ladevci.

0:11:25 Commander of the 142<sup>nd</sup> DP requested from us to acquire 203 mm for him to finish garbage dump, Žitnić and Trbonje.

0:11:35 ED – Chetnicks will fire at all to the left and to the right of the canyon.

0:11:15 5. Boris FILIPOVIĆ /1/3/113 perforating wound of the right lower leg

6. Tomislav Ante MOLENICA 2/142 wounded from a mine (wound of the left hand above the palm)

7. Dinko Periša /?DOVOR/ 3/113 – perforating wound of the left upper leg treated and brought to the hospital at 0:11:15

0:11:40 OG Commander requested for /?Oklaj/ 3-4 shells of 203 mm

0:11:45 Chetniks shelled Šibenik with 130 mm from Bribirska Glavica with 4 shells. Vodice with 2 shells.

0:12:00 NT ordered 4 shells towards Bribirska Glavica, 4 shells at Plamčnik.

0:12:05 Shells 4 from 130 mm guns at Kistanje upon request of the 15<sup>th</sup> DP.

0:12:10 Chetniks fired two shells on Skradin and two on Skradin harbor

0:12:12 Knin at the Mostovi /comment: or it means bridges/ upon the order of the NTZP-S /abbreviation unknown/. At Dugovac 6 shells from 130 mm gun.

0:12:15 113<sup>th</sup> PBR took Čista Mala and Čista Velika

0:12:20 113<sup>th</sup> is fired on from Cicvoro, Međari – 134<sup>th</sup> DP informed to fire at the mentioned locations.

0:12:25 Two shells at Miljevci.

0:12:30 Towards Trepča a reinforcement for the Chetniks is coming.

0:12:35 7 tanks in the sector Siverica

0:12:40 Repeated shelling of Bridges /Mostovi/ in Knin, upon the order of the NTZP-S.

/Illegible/ Promine summit and village of Lišnjak, shelled with 2 shells 203mm gun, each.

0:12:45 NT-OG fired at target from 120mm launchers, Rok, between the trig. points 40, 41, 42, with 203 mm fire at the Promine summit with 2 shells

0:12:56 NT-OG reported that he can not open fire at V25 and 27 at "Raka"

0:13:00 At "Mosec" fire opened from a VBR /multiple rocket launcher/ from "Baljak"

0:13:40 One dead and two wounded at the "Skradin" direction

0:14:56 Operative centre was visited by Colonel General Ante GOTOVINA, Commander of Split ZZ /Army Command/.

0:15:15 Colonel General Ante GOTOVINA ordered the OG Commander – Commands of 113<sup>th</sup>, 142<sup>nd</sup>, 15<sup>th</sup> DP to deploy on the primary axis, not to waste forces at the resistance points but to go around them.

0:15:20 COB reported that around Ključ six mortar shells fell.

0:15:34 Ordered issued by Commander PANULA to fire two pieces from H203

0:15:58 Two 203 mm shells at Promina summit – is awaited.

0:16:05 MV ABKO /Atomic Biological and Chemical Defense/ of the 15<sup>th</sup> DP placed under the Military District Command

0:16:48 Mile MORAVA requested reinforcement from Drniš; Stevo said to watch the junction

0:17:00 15<sup>th</sup> DP reported – that three 15<sup>th</sup> DP members were wounded

0:17:15 Chetniks reported that they will cover with fire the railway station, Gaj most probably /?Sedramič/.

0:17:20 COB informed that there is heavy fighting around Beader in Žitnić

0:17:22 Information from the IZM /forward command post/ Zadar that during the night Žitnić shall be evacuated

0:17:30 Along "Lipa" - /illegible/ 8, 9, 10, 11, 12, and AB 3 – four 130 mm shells each.

0:17:35 On "Raka" one 203 mm shell, 37 and 31 each

0:17:40 113<sup>th</sup> PBR no change in regard to force and line held. Captured 25 civilians and 9 soldiers.

0:17:45 Chetniks reported – there is HV /Croatian Army/ movement towards Lišnjak.

0:17:50 No change of the line of the 15<sup>th</sup> DP. They have 3 wounded and 10 dead Chetniks for the 18:00 hours report.

0:17:50 Chetnik artillery fire on Loškovica, /?Cobi/ reported.

0:17:55 Order of the General Ante GOTOVINA:

1. Mixed ABKO platoon of the 15<sup>th</sup> DP /Home Guard Regiment/ should be ready for possible intervention in the eventually endangered axis in case of use of NKB /nuclear-chemical and biological/ weapons in the z/o /responsibility zone/ of the Split ZP /Military District/.
2. Mixed platoon should be deployed in the OG Šibenik area and should be ready for a rapid intervention.
3. The order shall take effect **immediately**.
4. The 15<sup>th</sup> DP Commander is responsible for the execution of this order.

0:18:05 Chetniks reported that they shall hit Peleš

0:18:06 Cob informed that 3 rounds fell on Dubravica

0:18:07 NT ordered two shells on Lišnjak from a 130 mm gun and 2 shells on Promine summit.

0:18:10 Cob informed that a enemy tank was noticed moving from garbage dump towards the repeater to Moseća and back.

0:18:15 Enemy reported that their reconnaissance saw our launchers at /?Pamkorić Dragi/ and asked that fire would be opened at them.

0:18:19 Cob informed that one gun round flew over /illegible/ and crashed into the Krka Canyon

0:18:20 One shell fell on the village of Ključ

0:18:23 A crew for clearing up of the terrain should report in Gaj for mopping of corpses in Čista Mala and Čista Velika

0:18:26 Com. VUKIĆ sent a /illegible/ for a tank from Šintovac and it shall operate at another axis

0:18:27 Cob informed that three shells fell in Ključ

0:18:36 Cob informed that one shell fell in Skradin and one in Dubrovice

0:18:40 From noon there are three our soldiers wounded and 6 enemy soldiers imprisoned in the 142<sup>nd</sup> DP.

0:18:45 Cob informed that 2 gun rounds fell on the village of Povasovići

0:18:48 Two shells fell on Žurića Brdo

0:19:07 From Bratiškovac there is fire at Povasovići and /?Vodospremi Use/ Skradin.

0:19:10 The Serbs took Pupilj at 16:00 h – reason is lack of shells – Com. NOKIĆ

0:19:15 Cob informed that on Žurića Brdo 4 shells more fell.

0:19:20 Operative Zvone MOČIĆ from 142<sup>nd</sup> DP reported that the Chetniks are most probably in Pupilj.

0:19:23 /?DP reported/ that General KOVAČEVIĆ from Knin reported that their left flank is weak/.

0:19:25 Colonel VUKIĆ - /?10/ people should be moved to the area of Pupilj, ordered to Com. VIŠIĆ.

0:19:35 Colonel VUKIĆ ordered to NT 142<sup>nd</sup> to open fire at Chetniks in the town of Žitnić

0:19:55 ED reported that the 142<sup>nd</sup> is firing efficiently at the Chetniks in Žitnić

0:20:35 NT – ordered TS2 after “Potop” /comment: perhaps means complete destruction/ C 204 left 100 + 700 m

/illegible/ “Jaguar” /comment: possibly a code name/ reported that the detachment entered 3<sup>rd</sup> “level”

0:23:30 “Arena 2” /comment: possibly a code name/ – Two enemy vehicles came from Drniš to Žitnić and halted there

/illegible/ 142<sup>nd</sup> DP – One enemy vehicle came to the railway station Žitnić

5 August 1995 Saturday

0:04:40 Order issued to the OG Commander to the Commanders of the 113<sup>th</sup>, 142<sup>nd</sup>, 15<sup>th</sup> DP to start final clashes with the Chetniks in these parts

0:05:05 OG Commander VUKIĆ, ordered that TS2 would fire 5 shells from a 130mm gun at Knin

0:05:20 Upon the order of Col. VUKIĆ TS2 act, /illegible/ TT48 /illegible/ 3x2 on Lišnjak 5 shells, Ožegorići 3 shells /illegible/ from 130 mm gun, and /?Zvljinac/ with 3 shells /?trig point or cemetery/ 274.

0:06:00 NT – ordered to TS2 the following targets: 4 targets in the village of Ožegorići (PP /abbreviation unknown/ artillery) and /illegible/ in the area of Planičnik and PP artillery in the village of Varivode, act with 130 mm guns.

0:06:25 NT ordered to TS4 to fire at the following targets, Varivode and north of the barracks in Knin at different time intervals.

0:07:28 OG Commander ordered until further notice: fire every 3 – 4 minutes with a 130mm the location from where the town is shelled.

0:08:20 NT – ordered to TS2 the target: village of Zečevo.

0:08:21 Connection with the 113<sup>th</sup> PBR out of order.

0:08:30 Connection with the 113<sup>th</sup> PBR established.

0:08:35 Air strikes alert for all units of OG Šibenik – Colonel Ivan VUKIĆ ordered.

0:08:51 142<sup>nd</sup> DP requested opening of fire at target H24 from 130 mm or 203 mm. NT is not able to fire as he is out of the sector.

0:08:55 142<sup>nd</sup> DP – reconnaissance platoon – 1 soldier wounded.

0:09:00 NT ordered – 4 shells on target /?H24/ (on Rok) – Most /comment: place name or bridge/

0:09:05 Colonel Ivan VUKIĆ ordered /illegible/

0:09:07 142<sup>nd</sup> DP – Žitnić liberated from Chetniks – /we/ advance

0:09:12 TS4 transferred to a new firing position.

0:09:30 Our men are in Knin.

0:09:35 Colonel Ivan VUKIĆ ordered the 113<sup>th</sup> pbr to advance.

0:09:40 “Pastir” /comment: possibly a code name/ our aviation shall act from Kistanje till Stara Straža.

0:10:18 OG Commander – with five 130 mm shells on target L30 (on “Rak”).

0:10:20 OG Commander – a strict instruction was given to the unit commanders to behave utterly correctly towards UCRO /abbreviation unknown/ representatives and civilians (Colonel Ivan VUKIĆ).

0:10:40 142<sup>nd</sup> /illegible/ OG Commander issued an order to Major Željko MASLOV, to do their job pursuant to the service plan

0:11:03 Šibenik OG Commander issued an order that Drniš should /not/ be bypassed, and that all the incoming roads should be blocked by VP /?firing positions/

0:11:17 Šibenik OG Commander issued an “order” to the commanders of the 113<sup>th</sup> pbr to let through two UNCRO personnel carrier which will transport the wounded.

0:11:22 Zadar IZM – issued an order that fire should not be opened at UNCRO check points.

0:11:55 Ours liberated Dugovac – a lot of technical equipment found.

0:12:15 Commander Colonel Ivan VUKIĆ ordered, one 130 mm gun stays at PP /?A2TS/, 1 H 203 /?A2TS/ = 700 remains 8 guns of 130 mm are to be transferred to Šintovci /?A2TS/ = 28 1H203= 5600 in Šintovci, /?2T 130/ to /illegible/ Šintovci.

0:12:20 Commander Colonel Ivan VUKIĆ upon the proposal of Major BRAČIĆ ordered demobilization of 4 doctors, 4 medical technicians, 4 drivers with m/v /motor vehicles/ from /illegible/ Drniš. Reported that /illegible/142<sup>nd</sup> DP that these 4 mobile crews are placed at their disposal.

0:13:00 15<sup>th</sup> DP – Kuna F-25 goes F27, 113th bpbr P15 and P6 with right flank, P11 on left flank.

0:13:23 TS4 forbidden to fire at Velika Promina – NT ordered.

0:13:27 Target 216 should be fired at with 203 mm, NT ordered – with 4 shells.

0:13:55 Report from the 142<sup>nd</sup> DP that they have one slightly wounded and 1 seriously wounded (stepped on a mine).

0:14:30 Commander Colonel Ivan VUKIĆ ordered the 142<sup>nd</sup> DP to enter Drniš with two tanks and military police.

0:14:/illegible/ 5 August 1995 OUR HELICOPTER WILL SET OFF FROM KNIN TOWARDS SPLIT.

0:14:41 To prepare elements for firing H203 to targets Mratovo Bogočin Grad with 2 shells.

0:15:10 Pursuant to the order of Colonel General Ante GOTOVINA, the 113<sup>th</sup> changes the axis of action, together with the 134<sup>th</sup> DP they advance towards Benkovci.

0:15:20 “Ciklama” /comment: possibly a code name/ reported that the 113<sup>th</sup> pbr /is to/ step up the tempo of attack, step up.

0:15:40 Colonel VUKIĆ ordered the 142<sup>nd</sup> DP to advance towards Knin.

0:16:55 Šarena Jezera, Željeznički most /bridge for trains/ towards Biskupija /Bishops palace/, the 7<sup>th</sup> Guards Brigade.

0:17:20 Commander Colonel Ivan VUKIĆ's order to 142<sup>nd</sup> DP – with one part of the forces continue with the attack right /illegible/ Promina, with the goal to arrive to the 4<sup>th</sup> sector of Vrbnik; there merge with the forces of the 7<sup>th</sup> Guards Brigade. With another part of the available forces continue the attack on left side of Promina towards Vrbnik, with the goal to arrive to the Krka river banks. One part is to go in the direction /illegible/ with the goal to arrive to Kistanje on the /illegible/ side and merge with the 15<sup>th</sup> DP forces.

0:17:40 “Jaguar” /comment: possibly a code name/ – our helicopter is going from /?Sinj/ to Knin.

? 0:18:05 Amendment of the first order of the OG Šibenik Commander and 113<sup>th</sup> Brigade proceeds according to the /?original/ plan.

0:20:45 Cob reported that detonations were heard in Botiškovci and Velika Glava.

6 August 1995

0:08:00 Cob from Miljevica shelling Kistanje

0:08:15 Major Ivan /?BENTA/ ordered that contact with the 15<sup>th</sup> DP should be established within an hour.

0:08:30 An order was issued that the 15<sup>th</sup> DP and the 113<sup>th</sup> pbr should be connected by land line /illegible/ Major Ivan /?BENTA/.

0:08:35 “Jaguar” /comment: possibly a code name/ – our helicopter is going from Split to Knin.

0:09:15 From the Ministry establishment of communications with Knin was requested – that is being worked on.

0:09:20 Major RAJČIĆ –3 203 mm shells on Kistanje.

0:09:30 Mario from Zadar – report should be in Zadar till 17:00 and 18:00 hours.

0:09:40 Major /?BENTA/ placed the artillery in the function of 142<sup>nd</sup> DP.

0:09:50 During the night the 142<sup>nd</sup> DP linked with 7<sup>th</sup> Guards Brigade in Potkonje. OG – sin /abbreviation unknown/ 6<sup>th</sup> DP took /illegible/ Bila Glava, 986, and are going towards Stikovo. Kričke remained in encirclement in which there are small enemy groups which are trying to get through.

0:09:55 Major /?BENTA/ ordered to the Commander of the 1<sup>st</sup> Battalion 142<sup>nd</sup> to return his men who have gone towards Kričke, as OG Sinj should work on that part, so that the forces would not shoot at each other.

0:10:00 Order of Major /?BENTA/ to the Commander of the 1<sup>st</sup> Battalion 142<sup>nd</sup> DP not to go to Bičić and Miočić but to solve Kričke.

0:10:20 The entire left side of Promina was passed through and mopped by men, but Uzdalje and Ramljane were not, and that is ongoing 1<sup>st</sup> Battalion of the 142<sup>nd</sup> DP. It was reported that mortars are in /illegible/ give support to the right /illegible/ neighbor on their attack axis. A /illegible/ was transported to /illegible/ to have in case of intervention.

0:10:25 Called Kaduja that it can have support from the 4 142<sup>nd</sup> from mortars and tank which is in Siverić.

0:10:30 5.

20 hours ago on 5 August 1995, the 15<sup>th</sup> DP /illegible/ moved its IZM /forward command post/, and they did not take their wire communications, and most of the

time they were not in function, and till 10:30 the communications were not established.

0:10:30 Brljan is clean and passable – 1<sup>st</sup> Battalion 142<sup>nd</sup> DP

0:10:35 15<sup>th</sup> DP – informed that Brljan is passable

0:10:45 /Illegible/ Smrdeljski Gaj elevation 233, /illegible/ 324, /?Zarinko/ 351, 420 and /?Zmistok/ above AA /abbreviation unknown/ on Rok and F – 03.

0:10:50 Order of Brigadier BENTA – 134<sup>th</sup> should sent its operative to Bribirske Mostine.

0:11:20 113<sup>th</sup> Brigade checked the code map chart and did not forward it to OG Šibenik.

0:11:30 Order of Brigadier BENTA, 113<sup>th</sup> and 15<sup>th</sup> DP to set off at last to /illegible/ Kistanja free.

0:11:32 For the needs of Ts4 from 142<sup>nd</sup> DP a fire-fighting vehicle should be sent in case of fire during action.

0:11:40 Regular report sent to Zadar.

0:11:41 Mario LILIĆ, 142<sup>nd</sup> DP sent 3 trucks with around 50 men UNCRO to Brodarica.

0:11:50 Brigade Commander BENTA went to Bribirske Mostine

0:12:47 The 142<sup>nd</sup>, 113<sup>th</sup>, 15<sup>th</sup>, and TS-4 were informed that they should send reports till 16:30 hours with the situation as of 16:00 hours, according to the order on reports (7 points).

0:13:12 6<sup>th</sup> DP sent a report via “rak” Q 24 - /?Đ/ 57, /illegible/ O-17.

0:13:25 Brigadier BENTA – civil police should set up check points behind Skradin, so civilians would not enter the liberated territories.

0:13:40 Bruška captured by the 7<sup>th</sup> Home Guard regiment.

0:13:45 Brigadier BENTA for /?BOVACIN/ that the 134<sup>th</sup> db /Home Guard Battalion/ is to capture Mijanica and Brgud and to remain in that sector, after a pause the 113<sup>th</sup> is to go to Medveda.

0:13:55 Crew for gathering of livestock (10 men shall secure the crew) is to go to Morpalača, /illegible/, Cicvare and Medžare, and are to carry on them only personal arms, order of Brigadier BENTA.

0:14:20 Kričke liberated – by the joint forces of the 142<sup>nd</sup> DP and 6<sup>th</sup> DP.

0:14:20 From the TRS it was reported that in Ljubdića 20 civilians, Croats, are hungry – food should be secured for them.

0:15:00 /Illegible/ from TS4 for truck and 6 /illegible/ cable /?12 km/ from the post /office/ for establishing of communications Širtovci – Oklaj.

0:15:00 Request of the 142<sup>nd</sup> DP that to Vlaci to VP /?military police/ one prisoner each.

0:16:10 OG Commander said that to the 113<sup>th</sup> pbr /infantry brigade/ to await a HV helicopter at the runway in the period from 20:30 and 21:00 hours.

0:16:20 Four HVO helicopters have a route in the 142<sup>nd</sup> DP zone of responsibility.

0:17:15 All the unit commanders in the OG Šibenik zone of responsibility meeting at 20:00 hours.

0:19:30 Upon a call from the terrain, civil police was sent to Bribirske Mostine for 3 civilians.

0:20:50 113<sup>th</sup> pbr /infantry brigade/ - on "Kuna" E10, E14 – and is behind 134<sup>th</sup> DP. – 134<sup>th</sup> DP – Z 17, Z 19 – positions – the informed /?form troops into ranks/ and IZM Zadar was informed.

0:21:30 /?134<sup>th</sup>/ During the night shall monitor /illegible/ and vehicle and more vehicles from Bjelina and Pažići towards their present position, Biočin village near the cooperative.

0:21:35 134<sup>th</sup> reported – vehicle went over a mine – 1 dead and 3 wounded.

0:22:10 The brigades 113<sup>th</sup> pbr and 134<sup>th</sup> DP that tomorrow before 7:00 o'clock they shouldn't have any /illegible/, the Commander of OG Šibenik, Colonel Ivan VUKIĆ ordered.

0:23:40 Order of the OG Šibenik Commander to all the OG Šibenik units – commanders should be at 00:30 hours at their command posts.

7 August 1995

0:07:20 Order of the OG Šibenik Commander, Colonel Ivan VUKIĆ – 113<sup>th</sup> pbr Commander is to go to Knin and to take over the front line from the 4<sup>th</sup> Guards Brigade.

VP Commander of the VP /?military post or military police/ 4/72/?B/ informed the OG in writing that his staff members fortified /illegible/ - blockade point in Bribirske Mostine and one at the entry to Kistanje and one at the exit, and that the factory "Tvik", factory "Jadran" and Monastery /illegible/.

Oral command of Colonel Ivan VUKIĆ - /illegible/ 113<sup>th</sup> pbr

0:08:10 Pull 113<sup>th</sup> pbr /illegible/ out to Kistanje village – return /illegible/ to barracks. Reserves remain in the barracks until further orders. Until command reconnaissance is carried out the reserve remains in the barracks.

0:08:20 "Ciklama" /comment: possibly a code name/ reports - Commander Ivan VUKIĆ to a meeting at 12:00 hours in Zadar.

0:10:05 "Ciklama" /comment: possibly a code name/ reports – two aircrafts in the Oklaj area – enemy ones.

0:11:00 A report was sent to IZM Zadar re: the line which the OG Šibenik units have achieved.

0:11:25 A LB /abbreviation unknown/ communication with /illegible/ (4<sup>th</sup> Guards) was established.

0:11:30 The line achieved by the OG Šibenik units – L/O /line of defense/ – 21, L/O /line of defense/ – 5, L/O /line of defense/ – 4, L/O /line of defense/ – 44, E8, E19, E29, E14, H= 14 Vukadilove Stoje Z-26 Nikoletić

0:11:35 At 19:00 hours a meeting in Sojkovići with the OG Commander, "Pastir" /comment: possibly a code name/ informed.

7 August 1995

"Oluja" "Kraj" /"Storm" "End"/.

**20**

Unit: the 4<sup>th</sup> Brigade Artillery and rocket battalion\_(TDR)

Location: KNIN

REPORT ON DISCHARGED AMMUNITION

On the day of: 4./5. 08. 1995.

No.	TIME (hr, min)	WEAPON TYPE	DIRECTION OF ACTION	AMMUNITION TYPE	QUANTITY OF DISCHARGED AMMUNITION	PERFORMANCE
1.	05:00- 20:00	H 122 mm D-30	- enemy troops and materiel and technical equipment	TF shell	423	/
2.	05:00- 20:00	H 105 mm M-56	- enemy troops and materiel and technical equipment	TF shell	371	/
3.	07:00- 16:00	H 122 mm M-38	Same as above	TF shell	63	/
4.	05:00- 20:00	SVLR (self- propelled multiple rocket launcher) -122	Same as above	TF rocket	248	/
	From 1 through 4 inclusive					


Commander  
Major  
Ivica DUVANČIĆ

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Zagreb, 25.04. /year illegible/.

Stamp: Republic of Croatia, Ministry of Defence, Zagreb

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**21**



Commander

Major

Ivica DUVANČIĆ

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Zagreb, 25.04. 2007.

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**22**




Commander

Major

Ivica DUVANČIĆ

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Zagreb, 25. /month illegible/ 2007.

Stamp: Republic of Croatia, Ministry of Defence, Zagreb

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**23**

DEFENSE  
MILITARY SECRET  
STRICTLY CONFIDENTIAL

REPUBLIC OF CROATIA  
MINISTRY OF DEFENSE  
HV /CROATIAN ARMY/ MAIN STAFF  
COMMAND OF THE ZP /MILITARY DISTRICT/ SPLIT  
**306<sup>th</sup> LoB /Logistics Base/ SPLIT**

Class: 213-01/95-01/03  
Filing number: 2230-3/1-95-1-K  
Knin, 18 September, 1995

SUBJECT: Data for analyses of the operation "Oluja" /Storm/  
- it is delivered-;

Following the Order of the ZZP Split ZZP/ Military District Command/ Class: 803-05/95-04/02; Filing number: 1080-07-01-95-229 of 13 September 1995, concerning the data on expenditure of ammunition and MES /mines and explosives/, we are hereby sending to you attached to this memo the overview of the UBs /ammunition and explosives/ issued to the units from the Split 306th Logistic Base Warehouse, during the time period from 31.07. to 10.08.1995 god.

Expenditure of ammunition and MES /mines and explosives is broken by pieces.

To be delivered to:

- Chief of the Technical Service  
of the Split Military District Command
- files

- Chief of the Technical Service  
Captain  
Dragiša KONSA  
/signed/

/stamp reading/: REPUBLIC OF CROATIA, MINISTRY OF DEFENSE  
SPLIT MILITARY DISTRICT COMMAND, 1

Overview of ammunition and explosives issued to the units from the Split 306<sup>th</sup> Logistic Base Warehouse  
(Biokovo, Lora, Koprivno and Kukuzovac),  
during the time period from 31.07. to 10.08.1995 god.

Consecutive number	Name of TMS /materiel and technical equipment/ -UBS	Unit of Measure	VP /Military Post/ 3130 Zadar	VP 1107 Split	VP 8311 Split	VP 2148 Sinj	VP 2230/2 Šibenik	VP 2135 Šibenik	VP 2134 Zadar	VP 2233 Split	VP 1114 Split	RH MUP /Republic of Croatia Defense Ministry/	TOTAL
1.	Bullet 9x19 para	pcs		2700						1500			4200
2.	Bullet 5.45x39									4800			1480
3.	Bullet 5,56x45									1500	10000		1300
4.	Bullet 7,62x39			500200	200400					9600			710200
5.	Bullet 7.62x39 tracer		200200										200200
6.	Bullet 7.62x51		2300	41800						3000			69800
7.	Bullet 7,62x54R									880			880
8.	Bullet 7,9x57			80080	42960					2960			125600
9.	Bullet 1 2.7x99 Browning			12200	7150								19350
10.	Bullet 14,5x114			6720									6720
11.	Bullet 76x335 TFG				250	55							305
12.	Bullet 85x630 TFG					99		9					108
13.	Bullet 85x630 KOZ							8					8
14.	Bullet 85x630 POZ		150		212	2		30					394

15.	Bullet 90x602 KOZ				2							2
16.	Bullet 90x602 POZ			200	61							261
17.	Bullet 100x695 TFG				50					30		80
18.	Bullet 100x695 KOZ				30							30
19.	Bullet 100x695 POZ				20							20
20.	Bullet 105x371.8 TFG		84		300							384

**UNREVISED**

Overview of ammunition and explosives issued to the units from the Split 306<sup>th</sup> Logistic Base Warehouse

(Biokovo, Lora, Koprivno and Kukuzovac),  
during the time period from 31.07. to 10.08.1995 god.

Consecutive number	Name of TMS /materiel and technical equipment/ -UBS	Unit of Measure	VP /Military Post/ 3130 Zadar	VP 1107 Split	VP 8311 Split	VP 2148 Sinj	VP 2230/2 Šibenik	VP 2135 Šibenik	VP 2134 Zadar	VP 2233 Split	VP 1114 Split	RH MUP /Republic of Croatia Defense Ministry/	TOTAL
21.	Bullet 122x447 TFG		634										694
22.	Bullet 122x 284 KOZ		200										200
23.	Bullet 130 mm TFG		288				650						938
24.	Bullet 203 mm TFG		54										54
25.	RPG-22		32	10		4			9				55
26.	Rocket 60 mm M93										200		200
27.	Rocket for SPG-9			102									102
28.	Rocket 90 mm "OSA"		21	12									33
29.	Rocket 9M 14M		4										4
30.	Rocket 122x2870		76										76
31.	Rocket 128 mm M91		800	96		310					200		1406
32.	Hand grenade M93			960							388		1348

33.	Mine 44 mm RB M57			48									48
34.	Mine HESH RPG-7		48	192	153	153							546
35.	Mine MB 60 mm		300	1404									1704
36.	Mine MB 82 mm		2200	1300	440	1000							4940
37.	Mine MB 120 mm LTF		366	100	338	100		260					1164
38.	Detonating fuse PVC	m	1500										1500
39.	Detonator cap. D K- 8		500										500
40.	Detonator el. EK 40-63		300										300

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is identical to the original document.

In Zagreb, 13.06.2007.

Certified by: /a signature/

/stamp reading/:

The Republic of Croatia, Ministry of Defense, Zagreb, 59

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**24**

REPUBLIC OF CROATIA  
 MINISTRY OF DEFENCE  
 MAIN STAFF HV /CROATIAN ARMY/  
 ZZP /MILITARY DISTRICT COMMAND/ SPLIT – OG /OPERATIONS GROUP/  
 ŠIBENIK  
 VP /Military post office/ 3066 – 14. artillery division  
 Class: /handwritten, illegible/  
 File number: /handwritten, illegible/  
 Šibenik, 15.05.1995

ZZP SPLIT – IZM ZADAR  
 Chief of Technical Services  
 (through the Chief of Artillery)  
 ZADAR

**Subject: Request for equipping units with artillery gear**

Due to the newly assigned tasks, as well as the need to occupy new observation posts, we kindly ask that you authorize for us the following equipment:

1. Laser range-finder sets..... quantity: 2
2. Artillery compass (60,00)..... quantity: 2
3. Manual binoculars with graticule..... quantity: 5

We kindly ask for urgent equipping, considering that we have requested the above listed equipment on a few occasions.

Respectfully!

IL/IL /initialled/

COMMANDER  
 Captain

Slavko VLAHOV  
 /signed/

/round stamp/

Military post office number:

/illegible/

Rogoznica

/coat of arms/

DELIVERED:

-addressee

-archive

/stamp/

This is to certify that this transcript-copy is identical to the original document.

In Zagreb, date /date illegible/

Certifies: /signed/

/round stamp/

Republic of Croatia

Ministry of Defence

Zagreb

/coat of arms/

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**25**

REPUBLIC OF CROATIA  
MINISTRY OF DEFENCE  
HV /CROATIAN ARMY/ MAIN STAFF  
SPLIT MILITARY DISTRICT COMMAND  
ZADAR IZM /FORWARD COMMAND POST/

/hand-written: my file/

DEFENCE  
MILITARY SECRET  
STRICTLY CONFIDENTIAL

Class: SP81/95-01-07

Reg. No.: 1080-02-05-95-22

Zadar, 23.07.1995

To: Split ZP /Military District/ Chief  
Staff Brigadier Rahim ADEMI

Subject: Report on Armour in the Split ZP

A working meeting was held on 21.07.1995 attended by the Chief of the Split ZP Armour as well as by the Commanders of Armoured Units of the Split ZP /Military District Command/ (Lora). Also present were the following: Commander of Armoured Motorised Battalion from the 4<sup>th</sup> Brigade; Chief of Artillery of the 113<sup>th</sup> pbr /Infantry Brigade/; Chief of Armour of the 112<sup>th</sup> Brigade; and Adviser to the Split ZP NO /Chief of Armour/.

Chief of the Armour of the 7<sup>th</sup> gbr /Guards Brigade/ was justifiably absent.

Having thoroughly reviewed the status of the Armour and the difficulties encountered in maintenance of the combat equipment, it has been established that the b/t /combat equipment/ in possession of the Split ZP has been utilised 90% or more.

1. Presently, there are following 68 armoured pieces in the Split ZP:

-	Combat tanks M-84	3 pieces
-	Combat tanks T-55	24 pieces
-	Combat tanks T-54	1 piece
-	Combat tanks T-34	15 pieces
-	Combat tanks M-47	5 pieces
-	Combat transporters BVP-M-80	12 pieces
-	Command vehicle BTR-50	1 piece
-	Armoured transporters OT-M-60	4 pieces
-	Tank bridge carrier TNM	1 piece
-	Recovery vehicle TZI	2 pieces

Armoured pieces per individual units:

1<sup>st</sup> omb /Armoured Motorised Battalion/ of the 4<sup>th</sup> gbr is in possession of 37 pieces as follows:

-	Combat tanks M-84	3 pieces
-	Combat tanks T-55	17 pieces
-	Combat transporters BVP-M-80	11 pieces
-	Command vehicle BTR-50	1 piece
-	Armoured transporters OT-M-60	3 pieces
-	Tank bridge carrier TNM	1 piece
-	Recovery vehicle TZI	1 piece

2<sup>nd</sup> omb/113 pbr is in possession of 26 pieces as follows:

-	Combat tanks T-55	7 pieces
-	Combat tanks T-34	11 pieces
-	Combat tanks M-47	5 pieces
-	Combat transporters BVP-M-80	1 piece
-	Armoured transporters OT-M-60	1 piece
-	Recovery vehicle TZI	1 piece

3<sup>rd</sup> omb /Armoured Motorised Company/ of the 112<sup>th</sup> Brigade is in possession of 5 pieces as follows:

- Combat tanks T-55 1 piece
- Combat tanks T-34 4 pieces

It is evident that in the Split ZP we are replenished up to 77.27% with combat tanks; more than 30% of this equipment pertains to obsolete machinery; as for the combat transporters, we are replenished up to 85.71%; in order to be fully replenished we need the following combat assets:

- Combat tanks 19 pieces
- Combat transporters BVP-M-80 14 pieces

2. Maintenance problems reflect themselves in a shortage of spare parts and in difficulties to procure them.

Apart from this, there is also a problem regarding basic maintenance of the equipment in individual units, the reason being lack of expert personnel (mechanics for heavy machinery).

Maintenance of the Split ZP equipment largely depends on the 2<sup>nd</sup> bRP /Maintenance Battalion?/, which has been rather successful so far, considering the problems they have been encountering in procuring spare parts. In case of major combat activities, the mechanics have trouble to go out into the field, which automatically reduces the number of qualified mechanics in the “Šepurine” repair shop.

### 3. Problems with the Manning of Armoured Units

When it comes to levels of manpower in the omb /Armoured Motorised Battalion/ of the 4<sup>th</sup> gbr /Guards Brigade/, one can only report that it has been manned with 239 troops, or 74.50%.

The problems with the omb/113<sup>th</sup> pbr /Infantry Brigade/ lies in the fact that one Company is made up of the conscripts, while the second is the reserve one, whereas the third one has been demobilised, so that one cannot actually speak of the levels of manpower, neither in numbers nor percentage-wise.

Oms/112<sup>th</sup> br /Brigade/ has ample of troops but it is deficient in b/t /combat equipment/.

Conclusions:

1. Establish the methods for realisation of the replenishment of the omb/4<sup>th</sup> gbr with required b/t.
2. Armoured Guards Battalions (omb/4<sup>th</sup> gbr) shall have priority in replenishment. The omb/4<sup>th</sup> gbr shall be advertised throughout reserve brigades as well as with the dp /Home Guard Regiment/ at the Split ZP level. A proposal for a propaganda TV show featuring the omb/4<sup>th</sup> gbr shall be prepared in conjunction with the Split ZP Propaganda Department.
3. Chief of Armour of the omb/113<sup>th</sup> pbr /Infantry Brigade/ shall prepare a proposal re an increase in number of active posts within the omb/113<sup>th</sup> pbr; the proposal shall be submitted to the Split ZP Armour Department.

Chief of the Split ZP Armour  
Captain  
Mario RADELJIĆ

/signed and stamped; oval stamp reading as follows:

Military Post No. 1080; Split/

To be delivered to:

- the Addressee
- Archive

/stamp reading as follows: This is to certify that this transcript – copy is identical to the original document; Zagreb, 13.06.2007; Authenticated by: /signed and stamped; oval stamp reading as follows: Republic of Croatia; Zagreb; ministry of Defence//

**UNREVISED**

**26**

KAŠTEL ŽEGARSKI

UNREVISED

February 1995

## 1. BARRACKS COMMAND AND QUARTERS

$$x = 90\ 590$$

$$y = 68\ 890$$

## 2. MTS /Material and Technical Equipment/ DEPOT

$$x = 90\ 600$$

$$y = 68\ 830$$

## 3. TANKS (6 pieces)

$$x = 90\ 510$$

$$y = 68\ 790$$

## 4. BoV /armoured combat vehicle/ (3 pieces)

$$x = 90\ 495$$

$$y = 68\ 790$$

## 5. TRUCKS (8 pieces)

$$x = 90\ 470$$

$$y = 68\ 830$$

## 6. TRUCKS (4 pieces)

$$x = 90\ 370$$

$$y = 68\ 555$$

/working map of Kaštel Žegarski/

LEGEND:

1. Barracks command and quarters
2. TMS /equipment and material/ Depot
3. Tanks ( 4 )
4. BoV ( 3 )
5. Trucks ( 8 )
6. Trucks ( 4 )

UNREVISSED

KAŠTEL ŽEGARSKI – UŠLJEBRKE

/aerial photography/

UNREVISED

/stamp reading/

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In Zagreb, 13. 06. 2007

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UNREVISED

**27**

/coat-of-arms/

REPUBLIC OF CROATIA

MINISTRY DEFENCE

HV /Croatian Army/ MAIN STAFF

Defence

Military Secret OF

**STRICTLY CONFIDENTIAL**

Class: 08/95-172/02

Entry no: 512-06-06/1-95-10

Zagreb, 6<sup>th</sup> February 1995

/handwritten

Info only:

N.O.N.P. Z.P. /Chief of Operations and  
Training of the Military District/

Brigadier Rajko RANIĆ

N.T. Z.P. /Chief of Artillery of the ZP/

Brigadier

Marko RAJČIĆ/

In order to use satellite shoots and data collected by unmanned aircraft aerial photography in the most effective way and in order to comprehend the need for and possibility of additional AFS /aerial photography/ of areas and facilities in the direction of use of the HV units, I hereby

## **ORDER**

1. Starting with 15<sup>th</sup> February, commanders of the military districts of Zagreb, Karlovac, Gospić, Osijek, Split and Bjelovar (in this order) shall send their chief of staff, chief of artillery and chief of intelligence department of the ZP command to the HV Main Staff in order to coordinate with the responsible organ of the HV Main Staff. You shall be informed on the exact date of arrival of the mentioned personnel from each command at least 24 hours in advance.

2. On the occasion of visiting the Chief of the HV Main Staff, they are obligated to take along their working maps containing the data received through the AFS, especially those on deployment of enemy artillery groups, and chief of artillery shall be obligated to bring along a plan of artillery actions against targets in the assigned zone of responsibility.

CHIEF

General

Janko BOBETKO

/signed for BOBETKO, stamped/

To be delivered:

Commands of the Military Districts of Zagreb,  
Karlovac, Gospić, Osijek, Split and Bjelovar

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is identical to the original document.

In Zagreb, 13. 06. 2007

Certified by:

/signed and stamped/

**28**

MILITARY DISTRICT COMMAND  
SPLIT-ZADAR IZM /Forward Command Post/  
INTELLIGENCE DEPARTMENT

DEFENCE  
MILITARY SECRET  
STRICTLY CONFIDENTIAL

Class: SP/95-01/11  
Number: 1080-02-10-95-179  
Zadar, 5 July 1995

To: GS HV /Main Staff of the Croatian Army/  
INTELLIGENCE ADMINISTRATION

INTELLIGENCE REPORT: D /expansion unknown/  
REPORT SENT: 2235 hours  
INFORMATION SENT: OG /Operations Group/ LIVNO  
REPORT COMPILED BY: Captain Sretan KOLOVRAT

/handwritten: 14/

-----  
0077805079502235 I2C 00000

In view of the newly-arisen situation when the enemy is grouping his forces in the currently occupied areas and in the zone of separation and when overblown reports are coming in on the numerical strength of the enemy, we have obtained verified information on the actual state of affairs in areas that have been mentioned as of late.

Deep reconnaissance of the general sector of Pedići village (about three kilometres to the south of Novigrad) established the following: in the village of Pedići, there are two /?medical stations/ with seven soldiers /?each/; a third facility, situated in the south-western part of the village, could not be reconnoitred surreptitiously. The soldiers who were spotted—many of whom are civilians—spend the whole day in the immediate vicinity of the /?medical stations/.

Four elderly civilians were spotted in Baturi hamlet and there is a light machine-gun nearby. The road is controlled by one recoilless gun. These facilities have been videotaped.

Through the monitoring of UNCRO communications and on the basis of frequent mention of the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> battalions of the 92<sup>nd</sup> mtbr /Motorised Brigade/, we have obtained information that, after Operation *Bljesak* /Flash/, the enemy has again mobilised the Smilčić Battalion and attached it to the 92<sup>nd</sup> mtbr. The Smilčić Battalion used to be deployed in the Smilčić-Kašić area and its ZM /Command Post/ was in Smilčić village.

This comment should be supplemented by a statement given by one captured member of the 92<sup>nd</sup> mtbr, who said, "The 92<sup>nd</sup> mtbr consists of four battalions, namely, the Pridraga, Smilčić, Zemunik and Škabrnja battalions." The Pridraga and the Smilčić battalions are now conjoined and their command post is in Donji Baturi hamlet.

Through analysis of the data, we conclude that the probable disposition of the 92<sup>nd</sup> mtbr by battalions is as follows:

1<sup>st</sup> Battalion - Pridraga-Paljuv area, ZM /Command Post/: Baturi Donji;  
4<sup>th</sup> Battalion - Smilčić-Kašić area; ZM: Smilčić village;  
2<sup>nd</sup> Battalion - Drače-Potkosa (Zemunik Gornji); ZM: Zemunik Gornji;  
3<sup>rd</sup> Battalion - Škabrnja-Nadin; ZM: Devići village.

/stamp:/

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of the original document.

Zagreb, 30 August 2005

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/a signature/

/circular stamp:/  
Republic of Croatia  
Ministry of Defence  
Z a g r e b

**29**

PU /handwritten/

SREDIŠNJICA ED /ELECTRONIC OPERATIONS CENTRE/  
ZAGREB

Class: 833-05/95-01

File number: 1065-06/01-95-1200

Zagreb, 04.08.1995

CROATIAN REPORTING SERVICE  
INTELLIGENCE MANAGEMENT GSHV/ CROATIAN ARMY MAIN STAFF/

INTELLIGENCE REPORT: I

REPORT SENT AT: 2130 hrs

NOTIFIED: HIS /CROATIAN INFORMATION SERVICE/; - Ob. Upravi GSHV  
/Intelligence Management GSHV/

REPORT COMPILED BY: Major VRANČIĆ Stjepan

CROATIA

11. K /elevation/

069520408952019A 2A

A member who is reporting from the village of Tenje, member of the Military Police of the 43<sup>rd</sup> Brigade, reports as news that three MB /mortars/ were activated from the village of Tenje on the city of Osijek, and that evacuation of the village has taken place.

069600408952000A 2B

A Dutch military delegate asked through the Federal government i.e., SRJ /Federal Republic of Yugoslavia/ to be allowed to visit the Belgium Battalion of UNCRO /United Nations Mission in Croatia/ in Baranja on 05.08.1995. The aforementioned was told to send his request to the Command of the 11<sup>th</sup> Corps, and that it will probably be approved.

7. K

069540408951940A 2C

An unknown person from Knin says that there is artillery activity by the HV /Croatian Army/ in Obrovac and Benkovac and that they have a lot of killed and wounded.

069550408951920A 2C

The 2/75 mbr. /Motorized Brigade/ Command ask of their higher-ranked Command that help be sent to them on the left side.

In an unclear context it is stated that one chetnik group has been surrounded and that it should be saved.

Enemy units in Žitnić ask for inward fire support (Elezi – Močići region).

069560408952030A 2C

A NATO airplane has registered a missile system SA-6 /as written/ at position 4400 N, 1530 E (north of Kakma).

GS SVK /Serbian Krajina Army/

069530408952026A 2B

The Knin "leadership" abandoned the city and went in the direction of Drvar, through Srb ("they turned left when they left the place, then thirty kilometres later right").

069570408951945A 2B

A certain Slavko (GŠ "VRSK / General Staff "Army of the Republic of Serbian Krajina", is next to MARTIĆ) says to his wife Dragana: "I know how to take care of myself. They are bombing, fuck it, they attacked the old people's home, because they knew we were up there. We barely ran across to make it to the...President Martić I am now....downstairs in the barracks in this.....yes, TONIGHT WE ARE GOING...TO GO TO THAT PLACE THERE, TO A SAFE SPOT, it is not safe anywhere when they are attacking everything....there are, there are problems...it depends where I will be, it depends how we will establish contact, do not panic."

069580408952020A 2B

From a short conversation we find out that MARTIĆ is currently at a very important meeting.

069590408951838A 2B

We are delivering to you a copy of General Milan MRKŠIĆ's report for the press:

M: In the regions of Banija, Kordun, part of Lika the situation is stable. We do not have one inhabited bigger place that has fallen to the Croats, except that Knin is being threatened from the direction of Grahovo and Crvena zemlja. Knin is still being bombarded from 5:00 am. Obrovac is in our hands as well as all places in Dalmatia. We do have casualties, UNPROFOR /United Nations Protection Force/ is assisting us here. We have transferred some of the wounded to Banja Luka. Knin is deserted, partly abandoned, civilians are in shelters, and some citizens have moved out, they are leaving towards Srb. They bombed the Petrova Gora repeater; they bombed the Command post of a brigade in Lika, artillery positions in Banija and some other places. Citizens are in shelters, and men are in their battle positions. It is very difficult to endure psychologically from the continuous shelling, especially from the VBR /multiple rocket launcher/ that produces a specific noise. Our fighters have been under fire all day; however I am pleased with the performance of our fighters, especially those who are on the front line against the Croats. I have certain information that we have destroyed a few tanks belonging to the Ustashi. While the information is coming in, there will be a more detailed report tonight, and then we will know more details. The situation is critical, especially around Knin, they are 6-8 km from Knin. I can convey to you that there in Krajina they are defending themselves to the end, and those who are not in Krajina should assist according to their conscience.

Acting Commander

Colonel

Blago DUJMOVIĆ

/rectangular stamp/

REBUS SYSTEM

Received /circled/

Date: 04.08.1995

Sent

Hour and minutes: 2200

Evidence number 34

Operator's signature /signed/

/stamp/

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In Zagreb, date /date illegible/

Certifies: /signed/

/round stamp/

Republic of Croatia

Ministry of Defence

Zagreb

/coat of arms/

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**30**

English Translation

ET 0609-0554-0609-0556

ED /ELECTRONIC OPERATIONS/ CENTRE

ZAGREB

Class: 833-05/95-01

File no: 1065-06/01-95-1207

Zagreb, 05. 08. 95

/hand-written note: PU/

/square stamp:

REBUS SYSTEM 060

RECEIVED ON: 05.08.1995

01 18

41 OPERATOR'S

SIGNATURE/

TO CROATIAN INTELLIGENCE SERVICE  
TO INTELLIGENCE DEPARTMENT OF GSHV

/Main Staff of the Croatian Army/

INTELLIGENCE REPORT: I

REPORT SENT AT: 01:30

NOTIFICATIONS SENT TO: HIS /Croatian Intelligence Service/; Int. Department of  
the GSHV

REPORT COMPOSED BY: Commander Stjepan VRANČIĆ

CROATIA

7. K /Corps/

069840408952250A 2C

An officer at the GS of the "SVK" alleges that they have gone into the decisive  
defence of Knin and mentions that they have gone back to Red Ground.

069860508950027A 2C

A call has been made from the 75<sup>th</sup> mtbr. /Motorized Brigade/ to the duty operative in  
Knin, transferring a message from Manager of "Elektrodistribucija" /electric power  
company/ MASNİKOSA, who is asking the duty operative what he should do,  
because his men are leaving Golubić and "these power plants". A bit later the duty  
operative responds: "Keep it, keep it! Do not let it fall! We need power."

GS SVK

069830408952310A 2A

We send you a conversation of Milan MARTIĆ and Milan MRKŠIĆ with a certain  
Jole from the SRY /Federal Republic of Yugoslavia/.

M: No, Jole, I am not mad at you, but that Jew /derogatory/, may he fuck his mother and whoever created and made him. What can I tell you, I am embittered.

J: .....

M: It would have been better had he at least warned us, threatened us, he did not do anything.

J: And he is there:

M: Nothing without an ultimatum. Heave they started moving up from the 11<sup>th</sup>, I do not trust them, did that one stop it?

J: They will work tomorrow.

M: They did work today, to be honest, I do not believe anything they say, I believe he has stopped them too, he lied to me like this last time.

J: I have heard that they have orders to move.

M: He lied to me like this last time for two days.

J: .....

M: Nothing, here are myself, the general and Toša BAJIĆ. If only you could see what has happened here today, and I have civilian victims. Listen, Jovo, respect to you, and tell him I called him a motherfucker, just tell him so juicily I said so.

MRKŠIĆ cuts in: Jole do not do it, my President is angry, you do not mean this.

J: I am coming there to where you are.

MRK: I have talked to Frenki (note - this is probably the earlier-mentioned member of SDB /National Security Service/ of the so-called SRJ), Medo, that they are coming, they will be on their way tomorrow. This is 200 men, but essentially I think that tomorrow we will manage to defend Knin.

J: Hold on tomorrow, I am coming day after tomorrow.

MRK: Although Gračac is also jeopardized, I sent some units there tonight, so I will see.

J: Well, do some kind of a manoeuvre.

MRK: I have, from below in Dalmatia, but people are reluctant to leave their place of birth, their domicile. Fuck, their people are there, their children, their families, now it is a stampedo.

J: Mile, I have done what I could do.

MRK: We held on, I was great for three hours, but when people snapped psychologically from all the artillery, well you could not sit near a window here all day. All our windows here at the HQ crashed. I left home this morning, they called me at half past 4 to come, I left at 5, and it was flashing all over town, real fireworks.

I went back before this wave ended, I ran into the HQ. All our vehicles in front of the HQ with holes in them, all our trailer trucks damaged all over town, military vehicles with tyres slashed.

J: Well, you should have moved them.

MRK: Well, who expected them to fire at the town, I did not fire at Zagreb, those motherf... BUT I WILL FIRE TOMORROW, TO SHOW THEM.

J: Those motherf...

MRK: I WILL SHOW THEM SOME TOMORROW.

J: Mile, I will do what I can to help you, and the rest...

MRK: Okay. What matters is that people are not hurt, that there is an organized relocation.

J: I will collect what I have and I will get there.

MRK: There is no use bothering, Jovica, the situation in Kordun is good, we must pay attention to Banija. Banijans have got a bit agitated, but OK. Likns are holding on bravely. Banijans, they started something, it is easy for them, they just cross the Una and they are in Bosnia.

J: Hold on for one more day.

M: We will hold on. OK, good.

069850408952255A 2C

From the incomplete conversation between BABIĆ and MARTIĆ (exceptionally bad audibility) we deduce that BABIĆ's political activities are not going as planned and that MARTIĆ wants him to "try all he can".

replacing commander

Colonel

Blago DUJMOVIĆ

/stamp:

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In Zagreb, on 24. 04. 2007

Certified by: /

/round stamp:

THE REPUBLIC OF CROATIA

MINISTRY OF DEFENCE

ZAGREB/

UNREVISED

**31**

ALFA TRAINING CAMP  
DONJA BRUŠKA

**UNREVISED**

/working map of Donja Bruška/

**LEGEND:**

**1. ALFA CAMP**

- 10 containers

- Infantry training ground

**2. CAMP COMMAND**

**3. TANK SHIELDS**

**UNREVISSED**

## LEGEND:

## 1. ALFA CAMP

 $x = 81\ 570$  $y = 59\ 710$ 

## 2. CAMP COMMAND

 $x = 81\ 580$  $y = 59\ 590$ 

## 3. TANK SHIELDS

 $x = 81\ 525$  $y = 59\ 600$  $x = 81\ 535$  $y = 59\ 570$ **UNREVISED**

ALFA CAMP – D. BRUŠKA

/aerial photography/

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/stamp reading/

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In Zagreb, 13. 06. 2007

Certified by:

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**32**

*English Translation*

ET 0614-0862-0614-0908

DEFENCE  
MILITARY SECRET

STRICTLY CONFIDENTIAL  
BY MESSENGER

*/Croatian coat of arms/*  
REPUBLIC OF CROATIA  
MINISTRY OF DEFENCE  
OSJEK MILITARY DISTRICT  
COMMAND OF VP 3132

Class: 213-02/95-01/02

No. 3132-17/1-95-79  
Vinkovci, 12 April 1995

VP 3132/10; /20; /30; /80  
Directly to COMMANDER

**SUBJECT:** DESCRIPTION OF HANDLING, MAINTENANCE AND TECHNICAL  
DETAILS OF RAK -12 m-91, INSTRUCTIONS

In the attachment of this letter we are hereby submitting the technical description and instructions for handling and maintenance of the multiple rocket launcher of 128 mm, RAK -12 M-91 ..... 43 pages

SB/SB

Typed 1x  
Copied 8x

Submit to:

- organ in the heading
- VP 3132/70
- PZZL */expansion unknown/*
- ONO for ONP */Supervisory board for operations and training/*
- Chief of technical services
- Archives

COMMANDER:  
Brigadier Ivan Kapular  
*/stamp and signature/*

M U L T I P L E  
R O C K E T L A U N C H E R 1 2 8 M M

Type: RAK -12  
Model: M91

Description, handling, maintenance

UNREVISED

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## INTRODUCTION

These Instructions are compiled based on the technical documentation for the rocket launcher RAK 12 128 mm, M 91 (further in text: launcher). Firing tables are created based on the firing tables for LRL 128 , M 71. */light rocket launcher/*.

Numerous information contained in the firing tables are compiled based on:

- particular resistance law for TFR 128 mm M 63 determined by radar-measured speed
- reactive force in time function /?/, determined by measures made for rocket motor with the propellant filling with a temperature of + 15 C° and
- information for the normal atmosphere according to Ventcelj

Normal (table) conditions for which the firing tables have been produced are:

a) ballistic

- temperature of the power-generating powder filling + 15 C°
- rocket of the normal shape, mass and position of the centre of gravity

b) meteorological

- atmospheric pressure around the launcher and at the horizon of the launcher +15 C°
- the air humidity of 50 %

c) topographic

- launcher without the lateral inclination /?/
- sight, horizontal to the launcher

The firing tables are valid for the use of TFR 128 mm M63 with UTI-M 63 (OV) fuse, noting that the firing to the distance shorter than 800 meters is prohibited.

## 1. TACTICAL AND TECHNICAL INFORMATION

### 1.1 Tactical information

Multiple rocket launcher 128 mm RAK – 12 M 91 is a rocket weapon intended for realisation of sudden and rapid strikes on big-sized and important targets.

The following tasks can be realised using a multiple rocket launcher RAK -12:

- destruction and neutralisation of enemy forces, as well as sheltered and unsheltered combat equipment,
- neutralisation or destruction of the enemy artillery in combat positions,
- destruction and neutralisation (damaging) of manpower, aircrafts, buildings and runways on the airports,
- neutralisation and disturbance of the traffic by firing on the columns in march, important crossroads and railway stations,
- neutralisation of the airborne and seaborne assault
- neutralisation or destruction of command posts and communication centres
- all other purposes proved useful in a war strategy for realisation of advantage against the enemy .

Because of its lightness, big range and strong rocket impact, it is convenient for the use on various terrains and in all meteorological conditions.

Launcher RAK – 12 is towed by motor vehicles, or horse-drawn vehicles if needed, but also by manpower if the distance is relatively short. The towing clutch is constructed in a manner that the towing by a vehicle is carried out by the towing hook.

*/unclear/*

- The launcher can be transported even when loaded, armed with rockets. During the towing of the armed launcher the speed is based on the abilities of the horse-drawn vehicle, but should never exceed 80 km/h on the first rate roads. Also, the speed of movement should be adjusted to the type and condition of the road used for transport.
- Armed launcher can be moved at the speed up to 60 km/h on the asphalted roads, but on the dirt roads transport needs to be conducted carefully, not because of the construction of the launcher but rather because of the rockets which are extremely sensitive to kicks.

For the firing of multiple rocket launchers RAK – 12 M 91, 128 mm M 63 rockets are used. They have contact action effect with upper fuse UTI M 63, electric cap and solid

propellant filling. The rocket functions properly on the temperatures between – 30 °C and + 45 °C. The longest range of a launcher using this type of a rocket is 8600 m.

By using launcher RAK – 12, two different types of fire can be realised:

- Single-shot fire – the firing speed is approximately 1 rocket/second.
- Fire in rapid succession – the firing speed is pre-regulated within the control box and can not be changed during the burst of 12 rockets within 6 seconds.

The crew is composed of 4 crew members and a commander.

The time necessary for transition from transporting into firing position is 5' /minutes/ and from firing into a transporting position is 3' /minutes/.

#### 1.1. BASIC TECHNICAL INFORMATION

Calibre	128 mm
Number of barrels	12 pieces
Length of barrels	1000 mm
Highest range	8600 m
Horizontal scope of action	+/- 15° continuously
Vertical scope of action	-1° to 46° continuously
Type of fire	single-shot and bursts of fire, time between shots 0.5 sec minimum
Weight:	
Weight of the launcher in transport position	550 kg
Weight of the launcher in firing position	
- unarmed	540 kg
- armed	820 kg
Weight of the artillery RAP /tool and ammunition bag/	10 kg
Weight of the battery RAP	15 kg
Force of the towing hook	= 400 N

## Dimensions:

Length of the launcher in transport position	3 700 mm
Length of the launcher in firing position	3 080 mm
Lowest point on <i>/unclear/</i> - clearance	270 mm
Width of the space between the wheels	1 450 mm
Total width in transport position	1 600 mm
Total width in firing position	2 900 mm
Height of the unarmed launcher	1 220 mm
Dimensions of wheels	165 R 13''

## Other information:

Length of the firing cable	25 m
Battery voltage	12 V
Battery capacity	36 Ah
Sight device/?/	UN - 2
Quadrant	--

*/pages from 8 to 37 missing/*

### **Ammunition handling**

While handling the rockets, one needs to observe the following:

- Open the cases and card-board boxes holding the rockets just before arming the launcher in waiting position;
- Do not remove the insulation strip from the boxes before the time of the use;
- Do not disassemble the fuse and the electric rocket cap;
- Do not remove the protective fuse cap until the fuse is screwed into the warhead of the rocket, just before the arming the launcher;
- Do not move unexploded rockets from the place of their fall, but rather destroy them on that spot;
- In the open, keep the boxed rockets elevated at 15-20 cm off the ground and cover them with double-layered tent fabric;
- Cover the armed launcher to protect it from the immediate exposure to sunlight, precipitation and humidity (can also use branches)

- Keep the ammunition in the packaging until the use, to protect it from the sun, humidity and precipitation
- Always transport the rockets to the waiting position in original packaging only. During the transition from the waiting position into the firing position, protect the ammunition within the armed launcher by using the front and rear protective cap of the launcher.

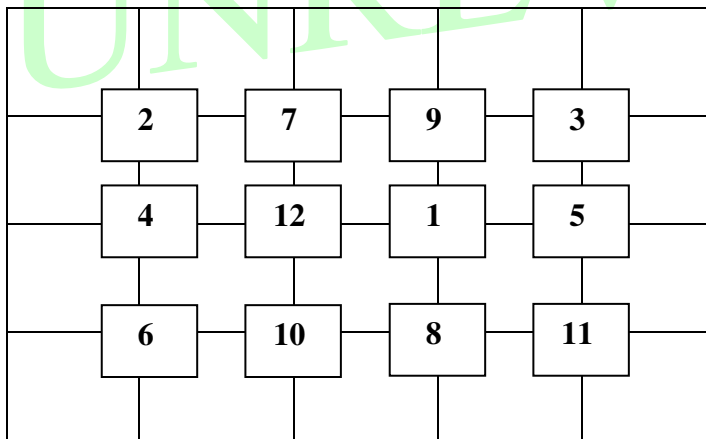
### FIRING TABLES

Rocket launcher 128 mm RAK – 12 M 91 is constructed for the use of rockets of 128 mm M63. Therefore, the FIRING TABLES are the same as the firing tables for LRL 128 mm M71 and can be found attached to this instruction, unchanged.

### GRAPHIC TARGETING TABLE

*/table/*

### FIRING ORDER



INSTANTANIOUS ROCKET, *illegible*, FUSE UTI, M 63 (OV)

Distance	Distance	Tabular angle	Speed of the rocket at the end of the active phase	Height of the rocket at the end of the active phase	Trajectory peak ordinate	Flight time	Final speed	Angle of the fall	Probable error		DEVIATION CAUSED ADJUSTMENTS IN															Angle of site (pS) for every		Distance
									In range	In deflection	Derivations	Deflection					Range											
												Lateral ballistic wind Wy = 10 m/s	Lateral ground wind Wyp = 10 m/s	Longitudinal ground wind Wxp = 10 m/s	Weapon incline for 10 one-thousandth	Longitudinal ballistic wind Wx = 10 m/s	Longitudinal ground wind Wxp = 10 m/s	Lateral ground wind Wyp = 10 m/s	Air temperature Δt = 10 °C	Air pressure ΔH = 10 mbar	Total impulse (of the initial speed) for 1 %	Propellant temperature Δtb = 10 °C	Mass of the rocket Δp = 1 identifier	+1	-1			
m	Thou	° '	m/s	m	m	s	m/s	Thou.	meters	One-thousandth					Meters					Thous.	s	m						
1	G	4	5	6	6a	7	8	9	11	12	17	18	18a	18b	19	21	21a	21b	23	24	25	26	27	46	46a	1		
3600	153	8° 38'	443	26	140	11	281	181	88	16	15	7	34	6	2	52	95	444	44	11	50	101	+19	+0.01	-0.01	3600		
3700	159	8° 55'	443	27	150	11.3	278	189	87	16	15	7	34	6	2	56	96	437	46	11	51	101	+19	+0.01	-0.01	3700		
3800	164	9° 13'	443	28	160	11.7	275	197	86	17	16	7	34	6	2	59	97	429	48	12	52	101	+19	+0.01	-0.01	3800		
3900	169	9° 31'	443	29	172	12.1	273	206	84	17	16	7	34	6	2	63	98	422	50	12	52	101	+19	+0.01	-0.01	3900		
4000	175	9° 50'	443	30	183	12.5	270	214	83	18	16	7	34	7	2	66	100	414	52	13	53	101	+19	+0.01	-0.01	4000		
4100	180	10° 08'	443	31	195	12.9	268	223	82	18	16	8	34	7	2	70	101	407	55	13	54	101	+19	+0.01	-0.01	4100		
4200	186	10° 27'	443	32	208	13.3	266	232	81	19	16	8	34	7	2	74	102	399	57	14	54	101	+19	+0.02	-0.02	4200		
4300	192	10° 47'	443	34	221	13.7	263	241	79	19	17	8	34	7	2	77	103	392	59	14	55	101	+19	+0.02	-0.02	4300		

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4400	198	11° 07'	443	35	235	14.1	261	251	78	20	17	8	34	8	2	81	104	385	62	14	55	101	+19	+0.02	-0.02	4400
4500	204	11° 27'	443	36	249	14.5	259	260	77	20	17	8	34	8	2	85	105	378	64	14	56	101	+19	+0.02	-0.02	4500
4600	210	11° 48'	443	37	264	14.9	257	270	76	21	17	9	34	8	2	89	106	371	66	15	56	101	+20	+0.02	-0.02	4600
4700	216	12° 09'	443	38	280	15.3	254	280	75	21	18	9	34	8	2	93	107	364	69	15	57	101	+20	+0.02	-0.02	4700
4800	222	12° 30'	443	40	296	15.7	252	290	74	22	18	9	34	9	2	96	108	357	71	16	57	101	+20	+0.03	-0.03	4800
4900	229	12° 52'	443	41	313	16.2	250	301	73	22	18	9	34	9	2	101	109	350	73	16	58	101	+20	+0.03	-0.03	4900
5000	235	13° 14'	442	42	330	16.6	248	312	72	23	18	9	34	9	2	105	110	294	76	17	58	101	+20	+0.03	-0.03	5000
5100	242	13° 37'	442	43	349	17	246	232	71	23	19	10	34	10	2	109	111	337	78	17	59	101	+20	+0.03	-0.03	5100
5200	249	14° 00'	442	45	368	17.5	244	334	70	24	19	10	34	10	2	113	111	330	81	18	59	101	+20	+0.04	-0.04	5200
5300	256	14° 24'	442	46	388	18	242	345	69	24	19	10	34	10	3	118	112	323	83	18	60	101	+20	+0.04	-0.04	5300
5400	263	14° 48'	442	48	408	18.4	240	357	68	25	20	10	34	11	3	122	113	317	86	19	60	101	+20	+0.04	-0.04	5400
5500	270	15° 13'	442	49	430	18.9	239	369	67	25	20	11	34	11	3	127	113	310	88	19	61	100	+20	+0.05	-0.05	5500
5600	278	15° 38'	442	50	452	19.4	237	382	66	26	20	11	34	11	3	131	114	303	91	20	61	100	+20	+0.05	-0.05	5600
5700	286	16° 04'	442	52	476	19.9	235	394	65	26	21	11	35	12	3	135	114	296	93	20	62	100	+19	+0.05	-0.05	5700
5800	293	16° 30'	442	53	501	20.4	234	407	64	27	21	11	35	12	3	140	115	290	96	21	62	100	+19	+0.06	-0.05	5800
5900	301	16° 57'	442	55	526	20.9	232	420	63	27	21	11	35	12	3	145	115	283	98	21	63	100	+19	+0.06	-0.06	5900
6000	310	17° 25'	442	56	553	21.4	231	434	62	28	22	12	35	13	3	149	115	276	101	22	63	100	+19	+0.07	-0.06	6000
6100	318	17° 53'	442	58	581	21.9	229	447	61	28	22	12	35	13	3	154	115	270	103	22	64	100	+19	+0.07	-0.07	6100
6200	326	18° 22'	442	60	610	22.4	228	462	61	29	22	12	35	14	3	159	115	263	106	23	64	100	+19	+0.08	-0.07	6200
6300	335	18° 52'	442	62	640	23	227	476	60	29	23	12	35	14	3	164	115	256	108	24	65	100	+19	+0.09	-0.08	6300
6400	344	19° 22'	442	63	672	23.5	225	4??	59	30	23	13	35	14	4	169	115	249	111	24	65	100	+19	+0.09	-0.08	6400
6500	354	19° 54'	442	65	705	24.1	224	5??	58	30	24	13	35	15	4	174	115	242	113	25	66	100	+19	+0.10	-0.08	6500

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*/illegible/* ROCKET M-91, FUSE UTI, M 63 (OV)

Distance	Distance	Tabular angle	Speed of the rocket at the end of the active phase	Height of the rocket at the end of the active phase	Trajectory peak ordinate	Flight time	Final speed	Angle of the fall	Probable error		DEVIATION CAUSED ADJUSTMENTS IN															Angle of site (pS) for every		Distance
									In range	In deflection	Deflection					Range												
											Derivations	Lateral ballistic wind W <sub>x</sub> = 10 m/s	Lateral ground wind W <sub>yp</sub> = 10 m/s	Longitudinal ground wind W <sub>xp</sub> 10 m/s	Weapon incline for 10 one-thousandth	Longitudinal ballistic wind W <sub>x</sub> = 10 m/s	Longitudinal ground wind W <sub>xp</sub> = 10 m/s	Lateral ground wind W <sub>yp</sub> = 10 m/s	Air temperature Δ t ° = 10 °C	Air pressure Δ H = 10 mbar	Total impulse (of the initial speed) for 1 %	Propellant temperature Δ ° t b = 10 °C	Mass of the rocket Δ p = 1 identifier					
m	Thou	° ' "	m/s	m	m	s	m/s	Thou	meters	One-thousandth	Meters										Thous.	s	m					
1	G	4	5	6	6a	7	8	9	11	12	17	18	18a	18b	19	21	21a	21b	23	24	25	26	27	46	46a	1		
800	42	2° 23'	444	3.6	4.5	2.3	402	23	150	3.6	11	1	49	0	0	1	50	765	9	3	18	94	+7	0	0	800		
900	45	2° 33'	444	4.2	5.8	2.5	395	27	148	4	11	1	47	1	0	1	53	752	10	3	20	95	+8	0	0	900		
1000	48	2° 43'	444	4.8	7.2	2.8	388	30	146	4.5	11	1	45	1	0	2	55	742	10	3	21	96	+9	0	0	1000		
1100	51	2° 53'	444	5.4	8.8	3.1	381	34	141	4.9	11	1	44	1	1	2	57	727	11	4	23	97	+10	0	0	1100		
1200	54	3° 04'	444	6	10.6	3.3	375	38	138	5.4	12	2	43	1	1	3	59	716	11	4	24	97	+10	0	0	1200		
1300	57	3° 14'	444	6.7	12.5	3.6	369	42	135	5.8	12	2	42	1	1	3	61	702	11	4	26	98	+11	0	0	1300		
1400	61	3° 25'	444	7.3	15	3.9	363	46	132	6.2	12	2	41	1	1	4	63	687	12	4	27	98	+11	0	0	1400		
1500	64	3° 37'	444	8	17	4.1	357	51	129	6.7	12	2	40	2	1	5	64	672	12	5	28	99	+12	0	0	1500		

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1600	68	3° 48'	444	8.7	20	4.4	351	55	127	7.1	12	2	39	2	1	6	66	658	13	5	30	99	+13	0	0	1600
1700	71	4° 00'	444	9.4	23	4.7	346	60	124	7.6	12	3	39	2	1	7	67	644	14	5	31	100	+13	0	0	1700
1800	75	4° 12'	444	10.1	26	5	341	65	121	8	12	3	38	2	1	8	69	629	15	6	32	100	+14	0	0	1800
1900	78	4° 24'	444	11.1	30	5.3	336	70	119	8.4	13	3	38	2	1	10	70	615	16	6	34	101	+14	0	0	1900
2000	82	4° 37'	444	12	33	5.6	331	75	117	8.9	13	3	37	2	1	11	72	602	17	6	35	101	+15	0	0	2000
2100	86	4° 50'	444	12	37	5.9	327	81	114	9.3	13	4	37	3	1	13	73	590	18	6	36	101	+15	0	0	2100
2200	90	5° 03'	444	13	42	6.2	323	86	112	9.8	13	4	36	3	1	15	75	578	19	7	37	101	+16	0	0	2200
2300	94	5° 17'	443	14	46	6.5	319	92	110	10.2	13	4	36	3	1	17	76	566	20	7	39	101	+16	0	0	2300
2400	98	5° 30'	443	15	51	6.9	316	98	108	11	13	4	36	3	1	19	78	554	22	7	40	101	+16	0	0	2400
2500	102	5° 44'	443	16	57	7.2	312	104	106	11	13	5	36	3	1	21	79	544	23	7	41	101	+16	0	0	2500
2600	106	5° 58'	443	16	62	7.5	309	110	104	12	14	5	36	3	1	23	81	533	25	8	42	101	+17	0	0	2600
2700	111	6° 13'	443	17	68	7.8	306	117	102	12	14	5	35	4	1	26	82	522	27	8	43	101	+17	0	0	2700
2800	115	6° 28'	443	18	75	8.2	303	123	101	12	14	5	35	4	1	28	84	513	28	8	44	101	+17	0	0	2800
2900	120	6° 43'	443	19	82	8.5	300	130	99	13	14	5	35	4	1	31	85	504	30	8	45	101	+17	0	0	2900
3000	124	6° 59'	443	20	89	8.8	297	137	97	13	14	5	35	4	1	34	86	495	32	9	46	101	+18	0	0	3000
3100	129	7° 15'	443	21	96	9.2	294	144	96	14	14	6	35	4	1	37	88	486	34	9	47	101	+18	+0.01	-0.01	3100
3200	133	7° 30'	443	22	104	9.5	291	151	94	14	15	6	35	5	1	40	89	477	36	9	47	101	+18	+0.01	-0.01	3200
3300	138	7° 47'	443	23	112	9.9	288	158	93	15	15	6	35	5	1	42	91	469	38	9	48	101	+18	+0.01	-0.01	3300
3400	143	8° 03'	443	24	121	10.2	286	166	91	15	15	6	35	5	1	4?	92	461	40	10	49	101	+19	+0.01	-0.01	3400
3500	148	8° 20'	443	25	130	10.6	283	173	90	16	15	7	34	5	1	49	93	452	42	10	50	101	+19	?	?	?

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DISTANCE ADJUSTMENTS DUE TO THE DEVIATIONS IN THE GUNPOWDER TEMPERATURE

Distance (m)	Deviations in the gunpowder temperature is (in °C):						
	-40	-30	-20	-10	10	20	30
800	335	255	172	86	92	172	246
900	344	261	175	88	94	173	248
1000	352	267	178	89	94	174	248
1100	355	268	178	89	95	176	248
1200	358	271	181	90	95	176	248
1300	359	272	182	90	96	176	249
1400	360	274	183	91	96	176	249
1500	360	274	183	91	97	177	249
1600	360	275	184	92	97	178	248
1700	359	275	184	92	97	178	248
1800	359	276	185	92	97	178	248
1900	358	276	185	92	98	178	247
2000	358	276	186	93	98	178	246
2100	357	276	186	93	98	179	246
2200	356	276	186	93	98	179	245
2300	355	275	186	93	99	179	245
2400	354	275	186	94	99	179	244

Distance (m)	Deviations in the gunpowder temperature is (in °C):						
	-40	-30	-20	-10	10	20	30
4100	339	271	187	95	101	179	238
4200	339	271	187	95	101	179	237
4300	338	270	187	95	101	179	239
4400	337	270	187	95	101	179	236
4500	336	269	187	95	101	179	236
4600	335	269	187	95	100	179	235
4700	334	268	187	95	100	179	235
4800	333	268	187	95	100	178	235
4900	332	267	186	94	100	178	234
5000	331	267	186	94	100	178	234
5100	329	267	186	95	100	178	234
5200	329	267	186	94	100	177	233
5300	327	265	186	94	100	177	233
5400	327	265	186	94	100	177	233

Distance (m)	Deviations in the gunpowder temperature is (in °C):						
	-40	-30	-20	-10	10	20	30
7100	305	254	180	92	98	171	220
7200	304	253	180	92	97	171	219
7300	303	252	180	92	97	170	218
7400	301	252	180	92	97	169	217
7500	300	251	179	92	96	169	216
7600	298	250	179	92	96	168	215
7700	296	249	179	92	96	167	214
7800	294	248	178	91	96	167	213
7900	292	246	176	91	95	166	212
8000	290	245	176	91	94	165	210
8100	287	244	175	91	94	165	209
8200	284	242	175	91	93	163	206
8300	282	239	174	90	92	161	204
8400	277	237	172	89	91	160	201

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2500	353	275	186	93	99	179	244	5500	325	264	185	94	100	17	232	8500	269	231	169	87	90	157	197
2600	352	275	187	93	99	178	244	5600	323	263	184	93	100	177	231	8545	256	221	161	83	90	155	192
2700	351	274	187	93	100	179	244	5700	322	263	184	93	100	177	231								
2800	351	274	187	93	100	179	243	5800	321	262	184	93	100	176	230								
2900	350	274	187	93	100	180	243	5900	320	262	184	93	100	176	229								
3000	349	274	187	94	100	180	242	6000	320	262	184	93	100	175	228								
3100	348	274	187	94	100	180	242	6100	319	261	184	93	100	175	228								
3200	347	273	187	94	100	179	241	6200	318	260	184	93	99	175	228								
3300	346	273	187	94	100	179	241	6300	316	259	183	93	99	175	227								
3400	345	273	188	94	100	179	241	6400	314	259	183	93	99	174	226								
3500	344	273	187	94	101	179	241	6500	314	259	183	93	98	173	225								
3600	343	273	187	94	100	179	240	6600	312	258	182	93	98	173	224								
3700	342	272	187	94	100	179	240	6700	311	257	182	93	98	172	223								
3800	342	272	187	95	100	179	239	6800	309	256	182	93	98	172	222								
3900	341	271	187	95	101	179	239	6900	309	256	181	93	98	172	221								
4000	340	271	187	95	101	179	238	7000	307	255	181	92	98	172	221								

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UNREVISSED

DECONSTRUCTING THE BALLISTIC WIND INTO COMPONENTS (1/6400)

Wind angle AzC - AzW				Speed of the ballistic wind in m/sec									
Reduces the distance and moves the shot to the right	Increases the distance and moves the shot to the right	Increases the distance and moves the shot to the left	Reduces the distance and moves the shot to the left	1	2	3	4	5	6	7	8	9	10
				Ballistic wind components Wx/Wy									
0	32	32	64	1	2	3	4	5	6	7	8	9	10
				-	-	-	-	-	-	-	-	-	-
1	31	33	63	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
2	30	34	62	1.0	2.0	2.0	3.9	4.9	5.9	6.9	7.9	8.8	9.8
				0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
3	29	35	61	0.9	1.9	2.9	3.8	4.8	5.7	6.7	7.7	8.6	9.6
				0.3	0.6	0.9	1.2	1.5	1.7	2.0	2.3	2.6	2.9
4	28	36	60	0.9	1.8	2.8	3.7	4.6	5.5	6.5	7.4	8.3	9.2
				0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.4	3.8
5	27	37	59	0.9	1.8	2.6	3.5	4.4	5.3	6.2	7.1	7.9	8.8
				0.5	0.9	1.4	1.9	2.4	2.8	3.3	3.8	4.2	4.7
6	26	38	58	0.8	1.7	2.5	3.3	4.2	5.0	5.8	6.7	7.5	8.3
				0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.4	5.0	5.6
7	25	39	57	0.8	1.5	2.3	3.1	3.9	4.6	5.4	6.2	7.0	7.7
				0.6	1.3	1.9	2.5	3.2	3.8	4.4	5.1	5.7	6.3
8	24	40	56	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.7	6.4	7.1
				0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.7	6.4	7.1
9	23	41	55	0.6	1.3	1.9	2.5	3.2	3.8	4.4	5.1	5.7	6.3
				0.8	1.5	2.3	3.1	3.9	4.6	5.4	6.2	7.0	7.7
10	22	42	54	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.4	5.0	5.6
				0.8	1.7	2.5	3.3	4.2	5.0	5.8	6.7	7.5	8.3
11	21	43	53	0.5	0.9	1.4	1.9	2.4	2.8	3.3	3.8	4.2	4.7
				0.9	1.8	2.6	3.5	4.4	5.3	6.2	7.1	7.9	8.8
12	20	44	52	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.4	3.8
				0.9	1.8	2.8	3.7	4.6	5.5	6.5	7.4	8.3	9.2
13	19	45	51	0.	0.6	0.9	1.2	1.5	1.7	2.0	2.3	2.6	2.9
				0.9	1.9	2.9	3.8	4.8	5.7	6.7	7.7	8.6	9.6
14	18	46	50	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
				1.0	2.0	2.9	3.9	4.9	5.9	6.9	7.9	8.8	9.8

15	17	47	49	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
				1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
16	16	48	48	-	-	-	-	-	-	-	-	-	-
				1	2	3	4	5	6	7	8	9	10

DECONSTRUCTING THE BALLISTIC WIND INTO COMPONENTS (1/6000)

Wind angle AzC - AzW				Speed of the ballistic wind in m/sec									
Reduces the distance and moves the shot to the right	Increases the distance and moves the shot to the right	Increases the distance and moves the shot to the left	Reduces the distance and moves the shot to the left	1	2	3	4	5	6	7	8	9	10
				Ballistic wind components Wx/Wy									
0	30	30	60	1	2	3	4	5	6	7	8	9	10
				-	-	-	-	-	-	-	-	-	-
1	29	31	59	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	9.9
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
2	28	32	58	1.0	2.0	2.9	3.9	4.9	5.9	6.8	7.8	8.8	9.8
				0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.9	2.11
3	27	33	57	1.0	1.9	2.9	3.8	4.8	5.7	6.7	7.6	8.6	9.5
				0.3	0.6	0.9	1.2	1.5	1.9	2.2	2.5	2.8	3.1
4	26	34	56	0.9	1.8	2.7	3.7	4.6	5.5	6.4	7.3	8.2	9.1
				0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	3.7	4.1
5	25	35	55	0.9	1.7	2.6	3.5	4.3	5.2	6.1	6.9	7.8	8.7
				0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
6	24	36	54	0.8	1.6	2.4	3.2	4.0	4.9	5.7	6.5	7.3	8.1
				0.6	1.1	1.8	2.4	2.9	3.5	4.1	4.7	5.3	5.9
7	23	37	53	0.7	1.5	2.2	3.0	3.7	4.5	5.2	5.9	6.7	7.4
				0.7	1.3	2.0	2.7	3.3	4.0	4.7	5.4	6.0	6.7
8	22	38	52	0.7	1.3	2.0	2.7	3.3	4.0	4.7	5.4	6.0	6.7
				0.7	1.5	2.2	3.0	3.7	4.5	5.2	5.9	6.7	7.4
9	21	39	51	0.6	1.2	1.8	2.4	2.9	3.5	4.1	4.7	5.3	5.9
				0.8	1.6	2.4	3.2	4.0	4.9	5.7	6.4	7.3	8.1
10	20	40	50	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
				0.9	1.7	2.6	3.5	4.3	5.2	6.1	6.9	7.8	8.7
11	19	41	49	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	3.7	4.1
				0.9	1.8	2.7	3.7	4.6	5.5	6.4	7.3	8.2	9.1

12	18	42	48	0.3	0.6	0.9	1.2	1.5	1.9	2.2	2.5	2.8	3.1
				1.0	1.9	2.9	3.8	4.8	5.7	6.7	7.6	8.6	9.5
13	17	43	47	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.9	2.1
				1.0	2.0	2.9	3.9	4.9	5.9	6.8	7.8	8.8	9.8
14	16	44	46	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
				1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	9.9
15	15	45	45	-	-	-	-	-	-	-	-	-	-
				1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0

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*/ILLEGIBLE/* FOR INSTANTANIOUS ROCKET, FUSE */ILLEGIBLE/* M 63 (OV)

Distance (m)	Height (m)					Distance (m)	Height (m)					Distance (m)	Height (m)				
	0	500	1000	1500	2000		0	500	1000	1500	2000		0	500	1000	1500	2000
1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6
800	42	42	41	41	40												
900	45	45	44	44	43												
1000	48	48	47	47	46												
1100	51	51	50	50	49	4100	180	177	174	171	168	7100	416	401	388	376	365
1200	54	54	53	53	52	4200	186	183	179	176	173	7200	427	412	398	386	374
1300	57	57	56	56	55	4300	192	188	185	181	178	7300	439	423	409	395	383
1400	61	60	60	59	58	4400	198	194	190	187	183	7400	452	432	419	405	392
1500	64	63	63	62	61	4500	204	200	196	192	189	7500	466	447	430	415	402
1600	68	67	66	65	65	4600	210	206	202	198	194	7600	480	460	442	426	411
1700	71	70	70	69	68	4700	216	212	208	204	199	7700	494	473	454	437	421
1800	75	74	73	72	71	4800	222	218	213	209	205	7800	510	487	466	448	432
1900	78	77	76	76	75	4900	229	224	220	215	211	7900	527	501	479	460	443
2000	82	91	80	79	78	5000	235	230	226	221	217	8000	545	517	493	472	454
2100	86	85	84	83	81	5100	242	237	232	227	222	8100	565	533	507	485	465
2200	90	89	87	86	85	5200	249	244	238	233	228	8200	588	551	522	498	477
2300	94	93	91	90	89	5300	256	250	245	240	134	8300	614	571	539	512	490
2400	98	97	95	94	93	5400	263	257	251	246	241	8400	646	593	557	527	503

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2500	102	101	99	98	96		5500	270	264	258	253	247		8500	694	619	576	543	517
2600	106	105	103	102	100		5600	278	271	265	259	253		8545	765	-	-	-	-
2700	111	109	107	106	104		5700	286	279	272	266	260		8600		650	598	561	532
2800	115	113	112	110	108		5800	293	286	279	273	266		8700		696	655	580	547
2900	120	118	116	114	112		5900	301	294	287	280	273		7500		765	-	-	-
3000	124	122	120	118	117		6000	310	302	294	287	280		8800			653	601	564
3100	129	127	125	123	121		6100	318	310	302	294	287		8900			695	624	582
3200	133	131	129	127	125		6200	326	318	309	301	294		8958			765	-	-
3300	138	136	134	132	130		6300	335	326	317	309	301		9000				654	603
3400	143	141	139	136	134		6400	344	335	325	317	309		9100				694	626
3500	148	146	143	141	139		6500	354	343	334	325	316		9170				758	-
3600	153	151	148	146	143		6600	363	352	342	333	324		9200					654
3700	159	156	152	151	148		6700	373	362	351	341	332		9300					690
3800	164	161	158	156	153		6800	383	371	360	350	340		9366					758
3900	169	166	163	161	?		6900	394	381	369	358	348							
4000	175	172	169	166	?		7000	405	391	379	367	356							

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INSTANTANIOUS ROCKET m 91, FUSE uti, m 63 (OV)

Distance	Distance	Tabular angle	Speed of the rocket at the end of the active phase	Height of the rocket at the end of the active phase	Trajectory peak ordinate	Flight time	Final speed	Angle of the fall	Probable error		DEVIATION CAUSED ADJUSTMENTS IN															Angle of site (pS) for every		Distance
									In range	In deflection	Deflection					Range												
											Derivations	Lateral ballistic wind W <sub>xb</sub> = 10 m/s	Lateral ground wind W <sub>yp</sub> = 10 m/s	Longitudinal ground wind W <sub>xp</sub> 10 m/s	Weapon incline for 10 one-thousandth	Longitudinal ballistic wind W <sub>x</sub> = 10 m/s	Longitudinal ground wind W <sub>xp</sub> = 10 m/s	Lateral ground wind W <sub>yp</sub> = 10 m/s	Air temperature Δ t ° = 10 °C	Air pressure Δ H = 10 mbar	Total impulse (of the initial speed) for 1 %	Propellant temperature Δ ° t b = 10 °C	Mass of the rocket Δ p = 1 identifier	+1	-1	m		
m	Thou	° ' "	m/s	m	m	s	m/s	Thou	meters	One-thousandth					Meters										Thous.	s	m	
1	G	4	5	6	6a	7	8	9	11	12	17	18	18a	18b	19	21	21a	21b	23	24	25	26	27	46	46a	1		
6600	363	20° 26'	442	67	740	24.7	223	521	58	31	24	13	35	15	4	179	115	235	116	26	66	100	+18	+0.11	-0.10	6600		
6700	373	20° 59'	442	69	776	25.3	222	537	57	32	25	13	36	16	4	184	115	228	118	26	67	100	+18	+0.12	-0.11	6700		
6800	383	21° 33'	441	71	814	25.9	221	553	56	32	25	14	36	16	4	190	114	221	121	27	67	100	+18	+0.13	-0.12	6800		
6900	394	22° 09'	441	72	854	26.5	220	570	56	33	26	14	36	17	4	195	113	214	123	28	68	100	+18	+0.14	-0.13	6900		
7000	405	22° 45'	441	75	896	27.1	219	587	55	34	26	14	36	18	4	200	112	206	126	28	68	100	+18	+0.15	-0.14	7000		
7100	416	23° 23'	441	77	941	27.8	218	604	54	34	27	14	36	18	4	206	111	199	128	29	69	100	+18	+0.17	-0.15	7100		
7200	427	24° 03'	441	79	987	28.4	218	622	53	35	27	15	36	19	4	211	110	191	131	30	69	100	+18	+0.19	-0.17	7200		
7300	439	24° 44'	441	81	1037	29.1	217	641	53	36	28	15	37	19	5	216	109	183	133	31	70	100	+18	+0.21	-0.19	7300		
7400	452	25° 27'	441	83	1090	29.9	216	660	52	36	29	15	37	20	5	222	107	174	136	31	70	100	+17	+0.23	-0.21	7400		

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7500	466	26° 11'	441	86	1146	30.6	216	679	51	37	29	16	37	21	5	228	105	167	138	32	70	100	+17	+0.26	-0.23	7500
7600	480	26° 59'	441	88	1206	31.4	215	700	51	38	30	16	37	22	5	234	103	158	141	33	71	99	+17	+0.29	-0.26	7600
7700	494	27° 49'	441	91	1270	32.2	215	721	50	39	31	16	38	22	5	240	100	148	143	34	71	99	+17	+0.33	-0.29	7700
7800	510	28° 42'	441	94	1340	33.1	215	743	50	39	32	17	38	23	5	246	97	138	146	35	72	99	+17	+0.38	-0.33	7800
7900	527	29° 39'	440	97	1415	34	215	766	49	40	33	17	38	24	6	253	94	129	148	36	72	98	+16	+0.44	-0.38	7900
8000	545	30° 41'	440	100	1498	35	215	791	48	41	34	18	39	25	6	260	91	118	151	36	73	98	+16	+0.52	-0.44	8000
8100	565	31° 49'	440	104	1591	36.1	215	817	48	42	35	18	39	27	6	268	86	106	153	37	73	97	+16	+0.62	-0.51	8100
8200	588	33° 05'	440	107	1697	37.2	216	845	47	44	37	19	40	28	7	275	80	93	156	38	74	95	+16	+0.77	-0.62	8200
8300	614	34° 32'	440	112	1820	38.6	217	877	47	45	39	19	41	30	7	286	72	77	158	39	74	93	+15	+1.04	-0.78	8300
8400	646	36° 22'	440	117	1977	40.2	218	915	46	46	41	20	42	32	7	294	61	59	160	40	74	91	+15	+1.71	-1.07	8400
8500	694	39° 02'	439	125	2211	42.5	220	966	46	49	45	21	43	35	8	309	45	30	163	41	75	89	+14	+3.25	-1.79	8500
8545	765	43° 03'	439	136	2565	45.7	225	1037	45	52	52	23	46	41	9	323	11	0	163	42	76	86	+13		-2.32	8545

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## Chapter 1

## SPECIFICATIONS OF 122-mm M1938 HOWITZER

## 1. – TACTICAL SPECIFICATIONS

1. – The 122-mm M1938 howitzer (see Figs. 1 and 2) is a rapid-fire artillery piece designed for the following purposes:

- inflicting losses on unsheltered personnel and weaponry;
- inflicting losses on personnel in field shelters;
- destroying light bunkers, other fortifications, and creating passages through wire obstacles;
- neutralising enemy artillery and mortars;
- destroying enemy armoured and motorised equipment.

2. – The howitzer can be fired at a rate of five to six rounds per minute. The howitzer's vertical field of fire is from  $-3^{\circ}$  to  $+63^{\circ} 30'$ , and the horizontal field of fire is  $49^{\circ}$  ( $24^{\circ}30'$  to the left and  $24^{\circ}30'$  to the right).

The howitzer is normally fired with the trails spread. In exceptional situations, such as when under surprise attack by enemy tanks or infantry, it can be fired with the trails folded. The horizontal field of fire is then limited to  $1^{\circ}30'$ .

3. – The howitzer is towed by vehicle (tractor or truck). The maximum permitted speed is 50 kph on good roads, or 35 kph on bad roads.

The howitzer weighs approximately 2,450 kg in the firing position, or 2,500 kg in the travelling position.

Particular variations of the howitzer differ in the following regards:

- 122-mm M38 howitzers can be fitted with a sight with a semi-independent or independent line of sight.

- There are currently two types of hydraulic recoil buffer and recuperator for this howitzer: the old type, which is filled with *Steol-MM* and has annular seals; and the **new, modified type**, which is filled with *HUNT-s* mineral oil and nitrogen, and has circular seals. In that regard there are some small differences concerning field

maintenance, which are indicated in this book. This modification of the hydraulic recoil buffer and recuperator will be gradually carried out on all howitzers.

/image/

**Fig. 1: 122-mm M1938 howitzer in firing position –rear view**

## 2. – TECHNICAL SPECIFICATIONS

### 4. Ballistic specifications:

Maximum muzzle velocity ( $V_0$ ) .....	515 m/s
Weight of round (shell) .....	21.76 kg
Weight of maximum (full) charge .....	approximately 2.07 kg
Maximum pressure of gunpowder gases in barrel .....	2,350 kp/cm <sup>2</sup>
Maximum range .....	11,800 m

### 5. Construction specifications:

Calibre of barrel .....	121.92 mm
Length of barrel without breech .....	2,800 mm (22.7 calibres)
Length of rifled section of barrel .....	2,278 mm (18.3 calibres)
Number of grooves/lands .....	36
Depth of grooves .....	7.6 mm
Width of lands .....	3.04 mm
Angle of twist, progressive to the right	
– at the start of twist .....	36 calibres (4°59'14")
– at the end of twist (muzzle) .....	20 calibres (9°4'23")
Length of powder chamber .....	392 mm (3.2 calibres)
Volume of powder chamber (with long-range shell) .....	3.77 dm <sup>3</sup>
Maximum elevation angle .....	63°30'

Maximum depression angle ..... -3°  
Traverse ..... 49°  
One turn of the barrel elevation wheel changes the  
barrel elevation by ..... 1.1°

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**33.** – Basic specifications of ammunition for 155-mm M1 and M65 howitzer are shown in Table 5.

Table 5

Part 1	Material 2	Weight (kg) 3	Length (mm) 4
Fuse PD, M51A5 (UTU, M51A5); PD, M557 (UTU, M557) (with detonator)	steel, brass	0.975	151
Fuse MTSQ, M500 (A1) with detonator	aluminium, brass	0.975	151
Fuse NVT-42	aluminium, brass	0.430	131
Casing	steel for projectiles	34.528	604
Rotating band	copper	0.544	-
Explosive charge	TNT	6.720	-
Additional detonator	TNT	0.140	-
Gunpowder charge M4A1	NCD-27	6.200	-
Igniter	black gunpowder no. 1	0.080	-
Artillery primer Mk2A4	brass	0.110	-
Complete projectile (with fuse PD, M51A5)		43.09	688

Note:

The weight of the powder charge varies for different series of gunpowder.

## 2. – PROJECTILES

### 1) M107 CONTACT-FUSE PROJECTILE

**34.** – The 155-mm M107 contact-fuse projectile (Fig. 8) is designed for attacking:

- personnel and weaponry outside shelters or in detected shelters, artillery batteries positioned in the open, launching systems and radar stations (if ricochet fire is not possible), armoured personnel carriers and targets on water (in the absence of anti-tank projectiles) – when the fuse is set for instantaneous action;

- personnel and weaponry in covered trenches (shelters), batteries in wood-and-earth shelters, tanks (in the absence of anti-tank projectiles), and for destroying

fortification features (buildings, bridges, etc.) – when the fuse is set for delayed action.

/image/

*Fig. 8: M107 contact-fuse projectile*

The projectile consists of:

- a casing
- an explosive charge.

A certain number of small yellow squares painted below the fuse well indicate the weight of the shell.

**35.** – Projectiles of normal weight (43.09 kg) have four weight markers. One weight marker represents 0.5 kg, so a projectile with three markers weighs 42.59 kg, while a projectile with five markers weighs 43.59 kg, and so forth.

**36.** – The M107 contact-fuse projectile can be fitted with fuses PD, M51A5 (UTU, M51A5); PD, M557 (UTU, M557), or with the NVT-42 proximity fuse.

## 2) M107 TIME-DELAY PROJECTILE

**37.** – The 155-mm M107 time-delay projectile is designed for attacking targets in the air and on the ground, and for destroying assault landings. Its construction is the same as that of the contact-fuse projectile, except that it is fitted with the MTSQ, M500 or MTSQ, M500A1 time-delay fuse.

**38.** – The weight markers on the M107 contact-fuse and time-delay projectiles with fuses PD, M51A5 (UTU, M51A5); PD, M557 (UTU, M557) and MTSQ, M500(A1) and their meanings are shown in Table 6.

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/see original for data in tables/

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Table 11a

**M107 CONTACT-FUSE PROJECTILE WITH PD,M51A5 FUSE**

Range	Table angle		Ordinate of apex of trajectory	Time of flight	Impact velocity	Angle of descent	Timing of fuse	Probable error			
								of trajectory		of burst	
								in range ( $V_d$ )	in deflection ( $V_p$ )	in range ( $V_{rd}$ )	in elevation ( $V_{rv}$ )
m	mils	° '	m	s	m/s	mils	s	metres			
1	3	4	6	7	8	9	10	11	12	14	15

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Charge 7  
V<sub>o</sub> = 564 m/s

**(UTU,M51A5); PD,M557 (UTU,M557); MTSQ,M500 (A1) OR NVT-42**

CORRECTIONS													
of line due to			of range due to							by adjusting table			
derivation	cross wind W <sub>y</sub> = 10 m/s	incline of trunnions by 10 mils	range wind W <sub>x</sub> = 10 m/s	use of fuse NVT-42	deviation								Change in range by adjusting table angle by 1 mil
					Air temperature Δt = 10°C	barometric pressure ΔH = 10 mbar	muzzle velocity ΔV/?/ = 10 m/s	gunpowder temperature Δt/?/ = 10°C	mass of projectile Δp = 1 square	+1	-1		
mils			metres							m	mils S		m
17	18	19	21	22	23	24	25	26	27	33	46	46a	1

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Table 11a

**M107 CONTACT-FUSE PROJECTILE WITH PD,M51A5 FUSE**

Range	Table angle		Ordinate of apex of trajectory	Time of flight	Impact velocity	Angle of descent	Timing of fuse	Probable error			
								of trajectory		of burst	
								in range ( $V_d$ )	in deflection ( $V_p$ )	in range ( $V_{rd}$ )	in elevation ( $V_{rv}$ )
m	mils	° '	m	s	m/s	mils	s	metres			
1	3	4	6	7	8	9	10	11	12	14	15

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Charge 7  
V<sub>o</sub> = 564 m/s

(UTU,M51A5); PD,M557 (UTU,M557); MTSQ,M500 (A1) OR NVT-42

CORRECTIONS													
of line due to			of range due to							by adjusting table			
derivation	cross wind W <sub>y</sub> = 10 m/s	incline of trunnions by 10 mils	range wind W <sub>x</sub> = 10 m/s	use of fuse NVT-42	deviation								Change in range by adjusting table angle by 1 mil
					Air temperature Δt = 10°C	barometric pressure ΔH = 10 mbar	muzzle velocity ΔV/? = 10 m/s	gunpowder temperature Δt/? = 10°C	mass of projectile Δp = 1 square	+1	-1		
mils			metres							m	mils S		m
17	18	19	21	22	23	24	25	26	27	33	46	46a	1

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Table 11a

**M107 CONTACT-FUSE PROJECTILE WITH PD,M51A5 FUSE**

Range	Table angle		Ordinate of apex of trajectory	Time of flight	Impact velocity	Angle of descent	Timing of fuse	Probable error			
								of trajectory		of burst	
								in range ( $V_d$ )	in deflection ( $V_p$ )	in range ( $V_{rd}$ )	in elevation ( $V_{rv}$ )
m	mils	° '	m	s	m/s	mils	s	metres			
1	3	4	6	7	8	9	10	11	12	14	15

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Charge 7  
V<sub>o</sub> = 564 m/s

(UTU,M51A5); PD,M557 (UTU,M557); MTSQ,M500 (A1) OR NVT-42

CORRECTIONS																
of line due to			of range due to													
derivation	cross wind W <sub>y</sub> = 10 m/s	incline of trunnions by 10 mils	range wind W <sub>x</sub> = 10 m/s	use of fuse NVT-42	deviation						mass of projectile Δp = 1 square	Change in range by adjusting table angle by 1 mil	Corrections to angle of site (pS) for every		Range	
					Air temperature Δt = 10°C	barometric pressure ΔH = 10 mbar	muzzle velocity ΔV/? = 10 m/s	gunpowder temperature Δt/? = 10°C	+1	-1						
mils			metres											m	mils S	m
17	18	19	21	22	23	24	25	26	27	33	46	46a	1			

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Table 11a

**M107 CONTACT-FUSE PROJECTILE WITH PD,M51A5 FUSE**

Range	Table angle		Ordinate of apex of trajectory	Time of flight	Impact velocity	Angle of descent	Timing of fuse	Probable error			
								of trajectory		of burst	
								in range ( $V_d$ )	in deflection ( $V_p$ )	in range ( $V_{rd}$ )	in elevation ( $V_{rv}$ )
m	mils	° '	m	s	m/s	mils	s	metres			
1	3	4	6	7	8	9	10	11	12	14	15

DRAFT TRANSLATION

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Charge 7  
V<sub>o</sub> = 564 m/s

**(UTU,M51A5); PD,M557 (UTU,M557); MTSQ,M500 (A1) OR NVT-42**

CORRECTIONS													
of line due to			of range due to							by adjusting table			
derivation	cross wind W <sub>y</sub> = 10 m/s	incline of trunnions by 10 mils	range wind W <sub>x</sub> = 10 m/s	use of fuse NVT-42	deviation								Change in range by adjusting table angle by 1 mil
					Air temperature Δt = 10°C	barometric pressure ΔH = 10 mbar	muzzle velocity ΔV/? = 10 m/s	gunpowder temperature Δt/? = 10°C	mass of projectile Δp = 1 square	+1	-1		
mils			metres							m	mils S		m
17	18	19	21	22	23	24	25	26	27	33	46	46a	1

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Table 11a

**M107 CONTACT-FUSE PROJECTILE WITH PD,M51A5 FUSE**

Range	Table angle		Ordinate of apex of trajectory	Time of flight	Impact velocity	Angle of descent	Timing of fuse	Probable error			
								of trajectory		of burst	
								in range ( $V_d$ )	in deflection ( $V_p$ )	in range ( $V_{rd}$ )	in elevation ( $V_{rv}$ )
m	mils	° '	m	s	m/s	mils	s	metres			
1	3	4	6	7	8	9	10	11	12	14	15

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/see original for data in tables/

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Table 11a

M106 HE /HIGH EXPLOSIVE/ CONTACT-FUSE SHELL WITH FUSE

Range	Table angle		Ordinate of apex of trajectory	Time of flight	Impact velocity	Angle of descent	Timing of fuse	Probable error			
								of trajectory		of burst	
								in range ( $V_d$ )	in deflection ( $V_p$ )	in range ( $V_{rd}$ )	in elevation ( $V_{rv}$ )
m	mils	° '	m	s	m/s	mils	s	metres			
1	3	4	6	7	8	9	10	11	12	14	15

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Charge 7  
V<sub>o</sub> = 594.4 m/s

PD,M51A5 (UTU,M51A5); PD,M557 (UTU,M557); OR MTSQ,M500 (A1)

CORRECTIONS	
of line due to	of range due to
derivation	deviation
cross wind W <sub>y</sub> = 10 m/s	
incline of trunnions by 10 mils	
range wind W <sub>x</sub> = 10 m/s	
Air temperature Δt = 10°C	
barometric pressure ΔH = 10 mM	
muzzle velocity ΔV <sub>o</sub> = 10 m/s	
gunpowder temperature Δt°b = 10°C	mass of projectile Δp = 1 square
Change in range by adjusting table angle by 1 mil	
	Corrections to angle of site (pS) for every
	+1
	-1
	Range

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17	18	19	21	23	24	25	26	27	33	46	46a	1
	mils				metres				m	mils	S	m

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Table 11a

M106 HE CONTACT-FUSE SHELL WITH FUSE

Range	Table angle		Ordinate of apex of trajectory	Time of flight	Impact velocity	Angle of descent	Timing of fuse	Probable error			
								of trajectory		of burst	
								in range ( $V_d$ )	in deflection ( $V_p$ )	in range ( $V_{rd}$ )	in elevation ( $V_{rv}$ )
m	mils	°'	m	s	m/s	mils	s	metres			
1	3	4	6	7	8	9	10	11	12	14	15



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Table 11a

M106 HE CONTACT-FUSE SHELL WITH FUSE

Range	Table angle		Ordinate of apex of trajectory	Time of flight	Impact velocity	Angle of descent	Timing of fuse	Probable error			
								of trajectory		of burst	
								in range ( $V_d$ )	in deflection ( $V_p$ )	in range ( $V_{rd}$ )	in elevation ( $V_{rv}$ )
m	mils	° '	m	s	m/s	mils	s	metres			
1	3	4	6	7	8	9	10	11	12	14	15

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Charge 7  
V<sub>o</sub> = 594.4 m/s

PD,M51A5 (UTU,M51A5); PD,M557 (UTU,M557); OR MTSQ,M500 (A1)

CORRECTIONS	
of line due to	of range due to
derivation	deviation
cross wind W <sub>y</sub> = 10 m/s	
incline of trunnions by 10 mils	
range wind W <sub>x</sub> = 10 m/s	
Air temperature Δt = 10°C	
barometric pressure ΔH = 10 mM	
muzzle velocity ΔV <sub>o</sub> = 10 m/s	
gunpowder temperature Δt°b = 10°C	mass of projectile Δp = 1 square
Change in range by adjusting table angle by 1 mil	
Corrections to angle of site (pS) for every	
+1	-1
Range	

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17	18	19	21	23	24	25	26	27	33	46	46a	1
	mils				metres				m	mils	S	m

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Table 11a

M106 HE CONTACT-FUSE SHELL WITH FUSE

Range	Table angle		Ordinate of apex of trajectory	Time of flight	Impact velocity	Angle of descent	Timing of fuse	Probable error			
								of trajectory		of burst	
								in range ( $V_d$ )	in deflection ( $V_p$ )	in range ( $V_{rd}$ )	in elevation ( $V_{rv}$ )
m	mils	° '	m	s	m/s	mils	s	metres			
1	3	4	6	7	8	9	10	11	12	14	15

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Charge 7  
V<sub>o</sub> = 594.4 m/s

PD,M51A5 (UTU,M51A5); PD,M557 (UTU,M557); OR MTSQ,M500 (A1)

CORRECTIONS					
of line due to	of range due to				
derivation	deviation				
cross wind W <sub>y</sub> = 10 m/s					
incline of trunnions by 10 mils					
range wind W <sub>x</sub> = 10 m/s					
Air temperature Δt = 10°C					
barometric pressure ΔH = 10 mM					
muzzle velocity ΔV <sub>o</sub> = 10 m/s					
gunpowder temperature Δt°b = 10°C	Change in range by adjusting table angle by 1 mil				
mass of projectile Δp = 1 square					
	m	33			
	Corrections to angle of site (pS) for every	mils S	+1	46	
			-1	46a	
	Range	m			1

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Table 11a

M106 HE CONTACT-FUSE SHELL WITH FUSE

Range	Table angle		Ordinate of apex of trajectory	Time of flight	Impact velocity	Angle of descent	Timing of fuse	Probable error			
								of trajectory		of burst	
								in range ( $V_d$ )	in deflection ( $V_p$ )	in range ( $V_{rd}$ )	in elevation ( $V_{rv}$ )
m	mils	° '	m	s	m/s	mils	s	metres			
1	3	4	6	7	8	9	10	11	12	14	15

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Charge 7  
V<sub>o</sub> = 594.4 m/s

PD,M51A5 (UTU,M51A5); PD,M557 (UTU,M557); OR MTSQ,M500 (A1)

CORRECTIONS		
of line due to	of range due to	
derivation	deviation	
cross wind W <sub>y</sub> = 10 m/s		
incline of trunnions by 10 mils		
range wind W <sub>x</sub> = 10 m/s		
Air temperature Δt = 10°C	metres	
barometric pressure ΔH = 10 mM		
muzzle velocity ΔV <sub>o</sub> = 10 m/s		
gunpowder temperature Δt°b = 10°C		
mass of projectile Δp = 1 square		
Change in range by adjusting table angle by 1 mil	m	
Corrections to angle of site (pS) for every	+1	mils S
	-1	
Range	m	

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Table 11a

M106 HE CONTACT-FUSE SHELL WITH FUSE

Range	Table angle		Ordinate of apex of trajectory	Time of flight	Impact velocity	Angle of descent	Timing of fuse	Probable error			
								of trajectory		of burst	
								in range ( $V_d$ )	in deflection ( $V_p$ )	in range ( $V_{rd}$ )	in elevation ( $V_{rv}$ )
m	mils	°'	m	s	m/s	mils	s	metres			
1	3	4	6	7	8	9	10	11	12	14	15
								UPPER GROUP			

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Charge 7  
V<sub>o</sub> = 594.4 m/s

PD,M51A5 (UTU,M51A5); PD,M557 (UTU,M557); OR MTSQ,M500 (A1)

CORRECTIONS									
of line due to			of range due to						
			deviation						
	derivation								
	cross wind W <sub>y</sub> = 10 m/s								
	incline of trunnions by 10 mils								
mils	range wind W <sub>x</sub> = 10 m/s								
	Air temperature Δt = 10°C								
	barometric pressure ΔH = 10 mM								
	muzzle velocity ΔV <sub>o</sub> = 10 m/s								
	gunpowder temperature Δt°b = 10°C								
	mass of projectile Δp = 1 square								
	Change in range by adjusting table angle by 1 mil								
	Corrections to angle of site (pS) for every								
		+1							
	-1								
	Range								
17			m						
18			mils						
19			S						
21			m						
23									
24									
25									
26									
27									
33									
46									
46a									
1									

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Table 11a

M106 HE CONTACT-FUSE SHELL WITH FUSE

Range	Table angle		Ordinate of apex of trajectory	Time of flight	Impact velocity	Angle of descent	Timing of fuse	Probable error			
								of trajectory		of burst	
								in range ( $V_d$ )	in deflection ( $V_p$ )	in range ( $V_{rd}$ )	in elevation ( $V_{rv}$ )
m	mils	° '	m	s	m/s	mils	s	metres			
1	3	4	6	7	8	9	10	11	12	14	15

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