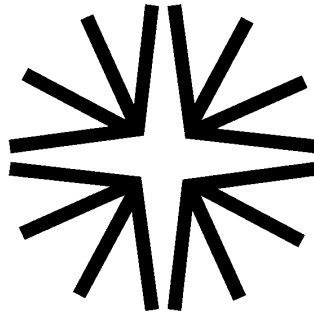


NATO
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**EADRCC SITUATION REPORT No. 4
BOSNIA AND HERZEGOVINA – FLOODS
(Latest update in BOLD)**

Message N°. : OPS(EADRCC)(2014)0024
Dtg : 23 May 2014, 12:35 UTC
From: : Euro-Atlantic Disaster Response Coordination Centre
To : Points of Contact for International Disaster Response in NATO and
partner Countries
Precedence : Priority
Originator : Duty Officer Tel: +32-2-707.2670
Approved by : Acting Head EADRCC Tel: +32-2-707.2674
Reference : Request for Assistance
OPS(EADRCC)(2014)0019

This report consists of : - 9 - pages

1. In accordance with the procedures at reference, NATO has received on 15 May 2014, a disaster assistance request from Bosnia and Herzegovina.

The following information has been provided:

2. General Situation

Type of the Disaster : Heavy rainfalls causing floods
Date and Time the Disaster occurred : 13 May 2014
Location of the Disaster : Central and North-East parts of Bosnia and Herzegovina

3. **Assessment of the situation:**

3.1. The situation in Bosnia and Herzegovina (BiH) caused by heavy rainfall, floods and landslides remains complex. In the past 24 hours declining water levels of the rivers in the Sava River Basin were recorded and the water has returned to its natural river beds in many areas. In the municipality of Samac evacuation is complete and water levels continue declining. Efforts to clean the terrain are ongoing and humanitarian aid is arriving.

3.2. High water levels retain in the municipalities of Bosanski Samac, Brcko, and Orasje, as well as the area of Bijeljina and its surrounding municipalities.

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3.3. On 19 May 2014, in Kopanice near Orasje a river embankment broke down threatening all settlements between Orasje and Brcko to be flooded. Actions were ongoing on 20 May 2014 in order to stabilise the situation. Water levels in these areas continue rising.

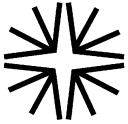
3.4. **About 2600 landslides** have been reported in the last few days in the municipalities of Banovići, Čelić, Dobož East, Gradačac, Gračanica, Kalesija, Kladanj, Lukavac, Sapna, Srebrenik, Teočak, Tuzla, Živinice, Topcic Polje, Olovo. The greatest danger from landslides exists in the municipalities of Tuzla, Kalesija, and Banovici. **Heavy rainfall over the weekend is expected to trigger more landslide active areas.**

3.5. An increased risk from landmines exists due to the dislodgement of minefields and their markings. **Landslides have moved many mines to populated areas and towns. The situation is becoming critical. Approximately 800km² are affected. On 20 May 2014 an explosion occurred in Brcko without any casualties reported. Critical areas lie in Maglaj, Dobož, Zepce, Gračanica, Odzak, Orasje, Samac, Brod, Brcko, Srbas, and Drventa.** Demining teams are engaged in the ongoing evacuation and rehabilitation operations from the consequences of landmines. **Efforts must be made to raise awareness of the risks. The dislodgement of mines is a long-term challenge and could require a logistical operation of up to 3 months.**

3.6. Cases of infectious diseases have been reported in the flooded municipalities of Bosanski Brod, Bijeljina, Odzak, Orasje, Samac, Maglaj, Tuzla, Kakanj, Topcic Polje, Zenica, Gračanica, Tuzla, Sapna, Visoko, Zepce, Olovo, Dobož, Vares, Tesanj and Zavidovici. The contamination of the water supply system poses a potential health threat, and proper strategies for the disposal of debris are needed. On 19 May 2014, the Federal Institute of Public Health warned of a high risk of infectious diseases epidemics in the affected areas. **A health risk for the population returning to the areas where the water levels receded will be also posed by dead animal carcasses that are estimated to be in the 10,000s. There is an urgent need for portable animal carcass incinerators.**

3.7. The damage of infrastructure, houses and roads as well as crops is huge. Many areas remain without access to running water and there is a shortage of bottled water, food, medication, and blankets, **as well as fuel.** The electrical power grid was severely affected in some areas and is slowly being restored. Many areas remain without electricity and recovery may take time due to the absence of the necessary equipment and transformers. It is estimated that around 38,500 households are without electricity. Main roads are becoming increasingly functional, but side roads and over 20 bridges have been destroyed or damaged. The mobile network is not operational. **Many crops have been completely destroyed severely affecting livestock. The region of Posavina with the highest percentage of arable land in the country remains severely affected.**

3.8. One quarter of the country's population has been directly affected by the floods. Evacuees are being housed in hotels and schools. The number of injured has not yet been confirmed.



3.9. **Rainfall is expected in north-eastern and eastern parts of the country (up to 25l/m²) starting on 23 May 2014 throughout the evening of the 25 May 2014.**

4. **National resources available for disaster response and measures taken.**

4.1. All national resources are heavily involved in dealing with the consequences of the disaster and additional resources for the evacuation of endangered people are necessary.

4.2. The BiH Presidency has authorized military support to civil authorities. The AFBiH have deployed five helicopters. The Government of BiH has authorized approximately 100.000 EUR for helicopter fuel.

5. **Assistance provided by Allied, partner nations and international organisations:**

5.1. Albania provided assistance to BiH on 17 May 2014 in form of 5 boats and an operational team of 15 persons. For the transportation of their team and the boats they also had 2 minivans and 2 high practicability vehicles. The Albanian team is operating in Kopanice and Vicinovic.

Additionally, the Volunteer Centre of Albanian Civil Emergencies sent six medical personnel to support the operations.

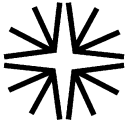
5.2. Referring to the ongoing assistance provided by first responders of Austria under the Union Mechanism in BiH, due to operational reasons members of the Austrian team on site have to be replaced on 21 May 2014. The new team is comprised of 33 persons (Fire Brigade Association of Lower Austria and Austrian Water Rescue Association), 9 vehicles, 7 trailers and 8 motorized boats. They stand ready to conduct rescue operations using boats and up to a limited extent transport/logistic tasks in the area of Orasje.

5.3. Azerbaijan sent humanitarian aid, containing 11 motor boats of various kinds, 260 units of different size tents, 300 sleeping bags, 1500 blankets, 30 power generators, 20 units water pumps, sets of clothes for use in special chemical-bacteriological conditions, cranes and other necessary materials and equipments.

5.4. Belgium offered 1 HCP module and 1 WPS through the EU ERCC mechanism with the following configuration: 3 vehicles with a Kuyken system: 24.000L/min with output pressure of 13 bars and 3 km of hoses (the most versatile configuration); 1 PEZ vehicle with 10.000 liters capacity and with an output pressure of 10 bars (suction limited to 8 meters); 1 alternator pump-crane with a capacity of 24.000 liters with output pressure of 3 bars; 2 container truck with crane; 1 pickup with mud pump of 5000 liters; 3 commando vehicles. Trucks with 27 military personnel equipped with high capacity pumps and water purification material left Belgium – arriving on 21 or 22 May 2014.

5.5. Bulgaria sent tents and blankets.

5.6. Croatia offered 2 helicopters with 15 people, a State Emergency Fire-fighting brigade with 11 firefighters, 3 vehicles carrying pumps, aggregates and rescue equipment, State emergency civilian protection brigade with 8 people, 4 vehicles, 3 tin boats with motors and other equipment, a Public Fire-fighting brigade with 6 people and



2 vehicles. The Government of Croatia decided to extend their deployment until 21 or 23 May 2014.

5.7. The Czech Republic donated 182,000 EUR for humanitarian aid and offered 1.120 pieces of humanitarian aid kit containing cooking sets, medical kits, sets for preparation of drinking water, hygienic sets, personal safety kits, emergency blankets, and drinking water ready to use. Individual components of the kit are stored in a portable plastic container with a safety lid, which is designed as a measuring container that can be also used for preparation of drinking water.

The Czech Republic provided ground transport by 1 truck. Kits are packed on 7 pallets (160 pcs on each pallet). This offer of assistance was also addressed to the European Commission, Emergency Response Coordination Centre according to the request of assistance by BiH to the EU.

5.8. France sent two firefighters, a doctor and a water purification expert as well as water purification equipment, a mobile ambulance (tent 54 m²) and other materials (boots, clothes etc.). They will be present in the affected areas until 26 May 2014. **Additionally, on 21 May 2014, France sent a WASH Unit (4 persons) with equipment for water purification (4m³/h). The unit will be deployed until 27 May 2014.**

5.9. The former Yugoslav Republic of Macedonia¹ offered a team with 30 members and 6 boats as well as humanitarian aid.

5.10. Germany offered a high capacity pumps module 18 May 2014. Germany has offered two teams from the Agency for Technical Relief (THW), each team having 15 experts. The German Federal Government granted 350,000 EUR - humanitarian aid for BiH and Serbia. This money also covers the deployment of THW teams.

5.11. **Greece has offered to the Government of BiH the sum of 100.000 EUR as an emergency assistance to the relief efforts in the floods stricken area.**

5.12. Hungary offered 100.000 sandbags.

5.13. **Israel has contributed 40.000 USD for purchasing blankets, medications, mattresses, boots, heaters, etc.**

5.14. Italy sent a contribution of 100,000 EUR through the Red Cross for immediate assistance.

5.15. On 17 May 2014, the Government of Japan decided to provide emergency relief goods worth 10 million yen (tents, blankets, sleeping bags, plastic sheets, portable water tanks, water tanks for the field, portable water pacificators, generators and etc.) to BiH through the Japan International Cooperation Agency (JICA). Japan is ready to provide high-tech flood alert monitoring equipment. **Three advanced Water Rescue Support Vehicles will be delivered by the end of the fiscal year 2014.**

5.16. **Kuwait donated 182,000 EUR for humanitarian aid (food and clothes).**

¹ Turkey recognizes the Republic of Macedonia with its constitutional name



- 5.17. The high capacity pump module (Joint high capacity pump module BaltFloodCombat) is provided jointly by Estonia / Latvia / Lithuania.
- 5.18. Luxembourg sent a team with 22 members, 5 boats, vehicles.
- 5.19. Montenegro sent humanitarian aid - raincoats, boots, blankets, water cans, food, clothes and hygiene for babies, water, food in cans, clothes for adults.
- 5.20. Netherlands contributed with 50,000 EUR via the Dutch Red Cross.
- 5.21. Norway donated 5 million Norwegian Kroner (615.000 EUR) for the emergency phase (funding for most immediate needs) and 16,5 million Norwegian Kroner (2,3 million EUR) for the reconstruction phase (reconstruction of institutions and infrastructure such as schools, hospitals, roads and bridges that have been damaged by the flood).
- 5.22. **Pakistan sent humanitarian aid, containing tents, ration packs, blankets, clothes, sleeping bags, jackets, jerseys, mats, t-shirts, rain coats, kitchen sets, aqua tablets and food.**
- 5.23. **Poland provided water pumps, 14 trucks and a team.**
- 5.24. Romania offered a water purification system and a team.
- 5.25. Slovakia offered rescue teams and humanitarian aid (pumps, generators, bags, raincoats, rubber boots (50.000 EUR).
- 5.26. On 16 May 2014, Slovenia provided a rescue unit (12 people) with four boats and two helicopters including crews and equipment necessary for evacuation. **A helicopter will be in BiH until 23 May 2014. Slovenia offered to deploy their Police teams specialized in detection of corps under water with the necessary equipment.**
- 5.27. **Sweden sent two experts in the team of European Union Humanitarian Aid and Civil Protection.**
- 5.28. The Government of Switzerland offered experts in dealing with water/sanitation and the environment in the flooding crisis. A helicopter from the Swiss KFOR contingent arrived in BiH on 20 May 2014. It is available to EUFOR operations in flooded areas during the next 24 hours.
- 5.29. Turkey provided assistance through the Turkish battalion of EUFOR. A convoy of 19 vehicles with humanitarian aid (hygienic stuff, clothes, drinking water, boots, white-ware, trunks, water evacuation systems, fire extinguishers, rescuing material, generators, diving equipment, first aid equipment, 2,250 blankets and kitchen-kits for 432 families) is on the way to BiH. **On 21 May 2014, Turkey sent additional humanitarian aid, containing 35.000 cans of food, 1,5 tons of flour, 600 kg liquid oil, baby food, biscuits, 7 tons drinking water, 1,5 tons fuel oil, generators, 300 shovels-axes-rakes, 300 boots and 150 blankets.**
- 5.30. The United Kingdom offered 4 boats, 2 kayaks and 33 persons.
- 5.31. The United States offered 15 pumps for pumping water, 257 sleeping bags, 400 bed sheets, 351 folding cots, 391 blankets, 410 sleeting mats, 14 space heater, 244



steel water cans, 1 kitchen utensils (box), 432 military mess kits, 3 kitchen equipment sets, 462 plastic water cans, 7 generator sets (5 kW), 239 fuel cans, 755 intr trenching tools/shovels, 366 wet weather trousers, 90 men's overshoes/boots. On 19 May 2014, US donated 13 motorboats for Bjeljina and Orasje, water rescue modules and teams.

5.32. **The International Fund for Animal Welfare sent two livestock feed experts.**

5.33. **The Organization for Security and Cooperation in Europe (OSCE) loaned two heavy duty generators. The OSCE purchased and delivered water, blankets, work gloves, shovels, heavy duty bags, protection masks, rubber boots, torches, batteries, antiseptic gel and liquid, toothbrushes, toothpastes and disinfecting agents through the Red Cross Society. It is procuring items for children (blankets, underwear, socks, soaps, shampoos, wet wipes, tooth pastes, tooth brushes, towels, toilet paper, disinfection means, mosquito repellants, diapers for older children suffering from cerebral paralyses, diapers for babies).**

5.34. **On 16 May 2014, the Oxford Committee for Famine Relief (OXFAM) activated donors as well as the Oxfam Confederation to raise some emergency donations. A senior WASH expert from the OXFAM was seconded to BiH. The OXFAM donated 30,000 EUR for disinfection material, sanitary kits, etc.**

5.35. **The Red Cross is transporting patients on dialysis, evacuating people, delivering food, blankets, clothes, sponges, pumps, boots and disinfectants to the most affected communities throughout the country.**

5.36. **Several agencies of the United Nations provided financial support and in-kind assistance to various parts of the country.**

5.37. **The World Bank approved a 24 million USD credit for the Drina Flood Protection Project to Bosnia and Herzegovina.**

5.38. On 16 May 2014, **World Vision** disseminated 50 emergency packs in the areas of Olovo and Kelasija. Further 100 emergency packs were under preparation on Saturday, 17 May 2014. On 19 May 2014, World Vision distributed the following: 3,513 items of food (bread, canned food, 10 kg of salami, etc), 13.581 liters of liquid (water, mineral water, juices, milk), 100 food and hygienic packages, 100 raincoats, 114 rubber boots, 6 shovels, 8 water pumps, 56 medicines, 860 hygienic items (diapers, toilet paper).

6. UPDATED list of requirements for international assistance:

	Description	Effective Date	Quantity
6.1	Water filter	ASAP	30.000
6.2	Water purification systems (installations, min 20.000 liters/day)	ASAP	20
6.3	Mobile kitchen	ASAP	50
6.4	Electric water pump (220 V)	ASAP	150
6.5	Petrol water pump	ASAP	350
6.6	Potable water tanks	ASAP	500
6.7	Silt pump	ASAP	500



6.8	Garden cart	ASAP	5.000
6.9	Pump to the outflow hose	ASAP	1000
6.10	Intake hose to pump	ASAP	500
6.11	Suction basket for hoses (75 and 110 mm)	ASAP	500
6.12	Rechargeable flashlight	ASAP	3000
6.13	Food package	ASAP	1000 tons/50.000
6.14	Food cans, which including foods for diabetics and pork (packed separately)	ASAP	100.000
6.15	Food set for baby and kid	ASAP	10.000
6.16	Fodder: <ul style="list-style-type: none"> • concentrate for cows; • concentrate for pigs; • milled corn; • concentrated feed. 	ASAP	35 tons 20 tons 25 tons 20 tons
6.17	Various medicaments (pharmaceutical drugs, antibiotics)	ASAP	
6.18	Potable water	ASAP	500.000 L
6.19	Dehumidifier	ASAP	10.000
6.20	Power generator (small and medium power)	ASAP	300
6.21	Blanket, sheet	ASAP	50.000
6.22	Boots <ul style="list-style-type: none"> • rubber boots; • fishing boots (type overalls) • other footwear; • miner's boots. 	ASAP	2.000 2.000 20.000 1.000
6.23	Life jacket	ASAP	1000
6.24	Raincoat	ASAP	3.500
6.25	Tent (family-size)	ASAP	1000
6.26	Personal hygienic items	ASAP	10.000
6.27	Disinfectants	ASAP	50.000
6.28	Spray pump for disinfectants	ASAP	50.000
6.29	Sponge mattress	ASAP	50.000
6.30	Tools (shovels, brooms, rakes, pitchforks)	ASAP	5.000
6.31	Solar chargers	ASAP	1000
6.32	Outboard engine for boats (various power)	ASAP	100
6.33	Boats: various size aluminium	ASAP	100 30
6.34	Emergency health kit	ASAP	50.000
6.35	Stretcher for the wounded (aluminium)	ASAP	200



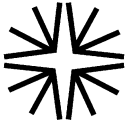
6.36	Candles	ASAP	35.000
6.37	Canister for water (15- 20 L)	ASAP	15.000
6.38	Canister for fuel (20 L, metal)	ASAP	1000
6.39	Alpinist rope (thickness 8-10 mm, length max. 60-100 m)	ASAP	300
6.40	Substances and means for disinfecting water and wells	ASAP	5.000
6.41	Heaters (home use)	ASAP	1000
6.42	Diapers (for children, adults)	ASAP	5.000
6.43	Incinerators for dead animals (bigger than 3 tons)	ASAP	10
6.44	Rescue equipment in the water and under	ASAP	100 packs
6.45	Equipment for rescue from the ruins	ASAP	20 packs
6.46	Thermal imaging cameras	ASAP	2
6.47	Underwater camera	ASAP	5
6.48	Sonars	ASAP	10
6.49	Machines and vehicles in rough terrain	ASAP	10
6.50	Machines for site remediation / cleaning	ASAP	30
6.51	Mobile SUVs	ASAP	20
6.52	Means of communication (satellite phones)	ASAP	5
6.53	Rescue ring	ASAP	100
6.54	Water barriers	ASAP	50 KM
6.55	HF transceiver suitable for use in emergency situations (with additional equipment and multiband antenna)	ASAP	50
6.56	VHF / UHF handheld radio	ASAP	200
6.57	Repeater VHF or UHF band scope Hamradio with duplexer and antenna	ASAP	3
6.58	Masks and gloves	ASAP	7.000

7. Points of Entry to be determined on bilateral basis.

8. **The Operational Points of Contact in BiH can be reached in the following ways:**

Name:	Mrs. Mirnesa SOFTIC Mr. Zeljko DUGONJIC
Organisation:	Ministry of Security of Bosnia and Herzegovina
Telephone:	+387 33 492 778 / +387 33 492 785
Mobile phone:	+387 61 294 030
Fax:	+387 33 555 715
e-mail:	ocbh112@msb.gov.ba
Operating hours:	24/7

9. **Response co-ordination.**



9.1. With a view to providing a coordinated response to the stricken nation's requirements, nations in a position to meet these demands, in full or in part, are invited to reply to the Ministry of Security of Bosnia and Herzegovina, with an information copy to EADRCC, by any of the communication means listed above and below.

9.2. The same request for assistance has been sent by Bosnia and Herzegovina to EU ERCC as well.

9.3. The Euro-Atlantic Disaster Response Coordination Centre can be reached in the following ways:

Telephone:	+32-2-707.2670
Fax :	+32-2-707.2677
Mobile Phone:	+32-475-829.071
e-mail:	eadrcc@hq.nato.int
Internet	http://www.nato.int/eadrcc/home.htm