

Beyond Hurricanes Harvey & Irma....

A Crisis Information Management Framework For Regional Disaster Resiliency

September 13, 2017

Introduction

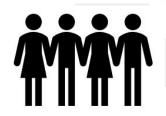
- **Framework Purpose** Define a repeatable process for communities to measurably improve crisis information management capabilities
- **Document Audience** Regional Constituencies, Program Managers, Planners, CIOs, Grant Makers, Audit Authorities
- **End-User Audience** Public and private sector responders at local, regional, national, multinational levels
- **Delivery Model** In-person diagnostic assessments, and online training and implementation toolkit (future)



The Case for the Framework

Few resilience research efforts have focused on the development and application of solutions that measurably improve communities' ability to work together at a regional level, yet a majority of the most devastating and disruptive disasters are those that have had a regional impact

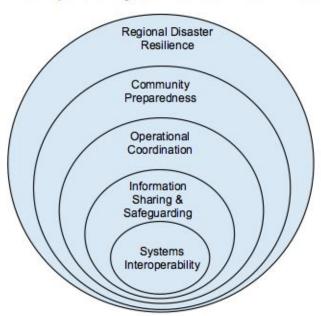
Improving communities' posture to work together (i.e. systems interoperability)...is a primary means by which communities may improve regional disaster resilience.





Defining the Framework

Figure 2: Linking Systems Interoperability to Disaster Resilience



$A \supseteq B \supseteq C \supseteq D \supseteq E$

Where $A \supseteq E$ means every element of E is also an element of A...

A = Regional Disaster Resilience

B = Community Preparedness

C = Operational Coordination

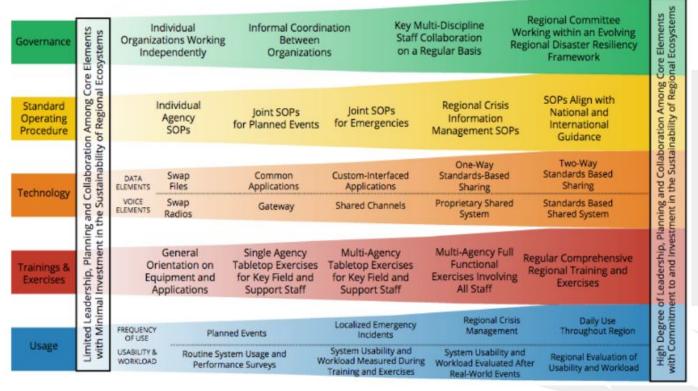
D = Information Sharing & Safeguarding

E = Systems Interoperability

"Thus, every element of systems interoperability is an element of disaster resilience, and arguably should become the focal point for standardized measurement of communities' ability to work together."



Defining Systems Interoperability



Systems interoperability is defined as the ability of human and technical systems to work together, without special effort...



Policy Alignment

The framework helps communities tangibly and defensibly contribute to the achievement of national and international goals & priorities.

- U.S. National Response Framework, Preparedness Goal
 - Core Capabilities: Planning, Operational Coordination, Intelligence & Information Sharing, Community Resilience, Risk and Disaster Resilience Assessment.
- Sendai Framework for Disaster Risk Reduction
 - Priority 2: Strengthening disaster risk governance to manage disaster risk
 - Priority 4: Enhancing disaster preparedness for effective response...
- National Emergency Management Association
 - Recommended to Congress a renewed focus on programs that foster regional collaborations to support disaster resilience.



The Framework Enables Organizations to:

- Implement a repeatable process for CIM improvement over a period of 2-5 years
- More explicitly link CIM capability improvement to elements of human and technical interoperability
- Address critical CIM capability gaps
- Expand the visibility and reach of information management programs
- Implement concrete measures in a systematic way
- Comply more fully with relevant international standards



Operational Performance Outcomes

Currently under development

- Aligns with the Interoperability Continuum
- Aligns with the CMM

• Examples:

- Reduce the resource request and acquisition process from 48 hrs to 6 hrs
- Reduce the time it takes to establish baseline situational awareness in an event from 6 hours to 1 hour



Field Implementation Process Overview



Field Implementation Process

Step 1: Baseline CMM Diagnostic Assessment

Step 2: Facilitate Stepwise Training Process

Step 3: Conduct Exercise

Step 4: Exercise Evaluation

Step 5: Post-Exercise CMM Diagnostic Assessment



- Assessment process: 2-4 hours
- May be conducted simultaneously with many organizations
- Provides a common conceptual framework
- Provides indication of steps required to advance capability maturity

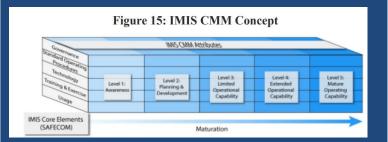


Figure 16: Revised IMIS CMM Self-Assessment Tool (Excerpt)

IMIS CMM Governance Element	Organization 1
1	
Level 0: No Capability Level 1: Awareness	
GV101 - My organization acknowledges the value of information sharing for the purpose of incident	
management, and intend to establish working groups to implement operational capabilities.	
GV102 - Personal connections enable some information sharing and collaboration to occur.	
GV103 - Technical staff implement non-standard governance activities on behalf of My organization.	
GV104 - My organization recognizes that information sharing activities will require dedicated staff and funding.	
GV105 - My organization has internal executive-level support for the development of an information	
sharing program that supports the needs of incident management.	
Level 2: Planning and Development	
GV201 - An Executive Committee has been established to focus on the task of information sharing for	Î
the purpose of incident management. Members represent functions that include multi-agency leadership.	
GV202 - A Working Group has been established to focus on design and implementation of an effective governance framework that supports incident management information sharing.	
GV203 - Working groups have been established to address SOPs, Technology, Training and Exercises, and Usage with defined cross-collaboration and meeting schedules.	
GV204 - My organization has an information sharing strategy that aligns with various local and national strategies/policies.	
GV205 - My presnization has an action plan in place to monitor progress made on information sharing	

IMIS CMM Baseline National Self-Asse	essment Report v	1	
Entity Name:			
Entity Population Est:	3.5M		
Person Completing:	Joel Thomas, SPIN Glol	bal (DHS Contractor)	
Date Completed:		•	
Governance	Level % Complete	Total % Complete	
Level 1: Awareness	100		
Level 2: Planning & Development	28		
Level 3: Limited Operational Capability	13	27	
Level 4: Extended Operational Capability	22	37	
Level 5: Mature Operating Capability	24		
Standard Operating Procedures	Level % Complete	Total % Complete	
Level 1: Awareness	88		
Level 2: Planning & Development	33		
Level 3: Limited Operational Capability	37	AE	
Level 4: Extended Operational Capability	42	45	
Level 5: Mature Operating Capability	26		
Technology	Level % Complete	Total % Complete	
Level 1: Awareness	100		
Level 2: Planning & Development	52		
Level 3: Limited Operational Capability	35	E1	
Level 4: Extended Operational Capability	24	21	

45

Level 5: Mature Operating Capability

Figure 20 - Regional Baseline CMM Self-Assessment Summary

	MONTENEGRO			MACEDONIA			CROATIA				BOSNIA & HERZEGOVINA		
Regional % Compl	Total % Complete	Level % Complete	Governance	Total % Complete	Level % Complete	Governance	Total % Complete	Level % Complete	Governance	Total % Complete	Level %		
-	Complete	75	Level 1: Awareness	Complete	69	Level 1: Awareness	Comprete	87	Level 1: Awareness	Complete	100	Level 1: Awareness	
		6	Level 2: Planning & Development		32	Level 2: Planning & Development		37 29	Level 2: Planning & Development		28	Level 2: Planning & Development	
41	46	47	Level 3: Limited Operational Capability	41	31	Level 3: Limited Operational Capability	41		Level 3: Limited Operational Capability		13	Level 3: Limited Operational Capability	
	10	59	Level 4: Extended Operational Capability	West of	48	Level 4: Extended Operational Capability		39	Level 4: Extended Operational Capability	37	22	evel 4: Extended Operational Capability	
		44	Level 5: Mature Operating Capability		25	Level 5: Mature Operating Capability		13	Level 5: Mature Operating Capability	1	24	Level 5: Mature Operating Capability	
Regional % Comp	Total %	Level %	bever at metaric operating capacity	Total %	Level %	servine, mutate operating aspearing	Total %	Level %	cover at invator coperating copposity	Total %	Level %		
SOPs	Complete	Complete	Standard Operating Procedures	Complete	Complete	Standard Operating Procedures	Complete	Complete	Standard Operating Procedures	Complete	Complete	Standard Operating Procedures	
	46	51	Level 1: Awareness		71	Level 1: Awareness		82	Level 1: Awareness		88	Level 1: Awareness	
44		52 37	Level 2: Planning & Development Level 3: Limited Operational Capability	42	36 31	Level 2: Planning & Development Level 3: Limited Operational Capability	43	48 26	Level 2: Planning & Development Level 3: Limited Operational Capability	45	33	Level 2: Planning & Development Level 3: Limited Operational Capability	
44		36	Level 4: Extended Operational Capability	42	34	Level 4: Extended Operational Capability	45	28	Level 4: Extended Operational Capability	45	42	Level 4: Extended Operational Capability	
		52	Level 5: Mature Operating Capability		39	Level 5: Mature Operating Capability		29	Level 5: Mature Operating Capability		26	Level 5: Mature Operating Capability	
Regional % Comp	Total %	Level %		Total %	Level %		Total %	Level %		Total %	Level %		
Technology	Complete	Complete	Technology	Complete	Complete	Technology	Complete	Complete	Technology	Complete	Complete		
	30	32	Level 1: Awareness	32	63	Level 1: Awareness		88	Level 1: Awareness		100	Level 1: Awareness	
40		18	Level 2: Planning & Development		18	Level 2: Planning & Development	AF	43	Level 2: Planning & Development	-4	52	Level 2: Planning & Development	
40		28	Level 3: Limited Operational Capability		29	Level 3: Limited Operational Capability	45	45	Level 3: Limited Operational Capability	51	35	Level 3: Limited Operational Capability	
		30	Level 4: Extended Operational Capability		24	Level 4: Extended Operational Capability		25	Level 4: Extended Operational Capability		24	Level 4: Extended Operational Capability	
		42	Level 5: Mature Operating Capability		24	Level 5: Mature Operating Capability		22	Level 5: Mature Operating Capability		45	Level 5: Mature Operating Capability	
Regional % Comp Training & Exerc	Total % Complete	Level % Complete	Training and Exercise	Total % Complete	Level % Complete	Training and Exercise	Total % Complete	Level % Complete	Training and Exercise	Total % Complete	Level %		
maning or exerc	Comprete			Comprete	2		Comprete			Comprete			
53	47	71	Level 1: Awareness		98	Level 1: Awareness		83	Level 1: Awareness		100	Level 1: Awareness	
		60	Level 2: Planning & Development	49	36	Level 2: Planning & Development	58	78	Level 2: Planning & Development	57	43	Level 2: Planning & Development	
	4/	28	Level 3: Limited Operational Capability	49	29	Level 3: Limited Operational Capability	20	51	Level 3: Limited Operational Capability	3/	44	Level 3: Limited Operational Capability	
		40	Level 4: Extended Operational Capability		40	Level 4: Extended Operational Capability		44	Level 4: Extended Operational Capability		47	Level 4: Extended Operational Capability	
		38	Level 5: Mature Operating Capability		41	Level 5: Mature Operating Capability		35	Level 5: Mature Operating Capability		53	Level 5: Mature Operating Capability	
Regional % Comp Usage	Total % Complete	Level % Complete	Usage	Total % Complete	Level % Complete	Usage	Total % Complete	Level % Complete	Usage	Total % Complete	Level % Complete		
		52	Level 1: Awareness		58	Level 1: Awareness	-	69	Level 1: Awareness		100	evel 1: Awareness	
		53	Level 2: Planning & Development		75	Level 2: Planning & Development		47	Level 2: Planning & Development		54	Level 2: Planning & Development	
	51	66	Level 3: Limited Operational Capability	40	29	Level 3: Limited Operational Capability	37	28	Level 3: Limited Operational Capability	49	19	Level 3: Limited Operational Capability	
44	The Control	37	Level 4: Extended Operational Capability		21	Level 4: Extended Operational Capability		22	Level 4: Extended Operational Capability		36	Level 4: Extended Operational Capability	
			Level 5: Mature Operating Capability		16	Level 5: Mature Operating Capability		17	Level 5: Mature Operating Capability		35	Level 5: Mature Operating Capability	
	NATIONAL % COMPLETE 44			NATIONAL % COMPLETE 41			NATIONAL % COMPLETE 45				NATIONAL % COMPLETE		
												48	



Capability Assessment Summary Report

April 2017

Prepared For:

Advanced Regional Civil Emergency Coordination Pilot (ARCECP)
Participants in Bosnia & Herzegovina, Croatia, Macedonia, and
Montenegro

The North Atlantic Treaty Organization (NATO) Science for Peace & Security (SPS) Programme

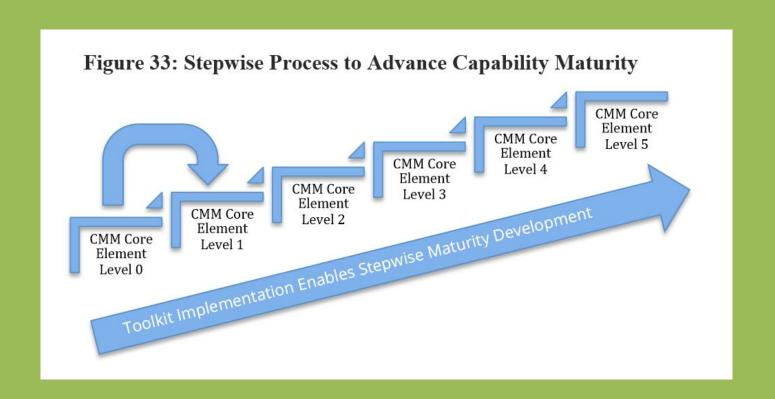
U.S. Department of Homeland Security (DHS) Science & Technology Directorate (S&T)

Prepared By:

Joel Thomas, SPIN Global



ARCECP Capability Assessment Summary Report



4.3.1.1. Steps to Improve Governance

The following diagram illustrates a stepwise model to improve the maturity of the CMM core element "governance", with a complementary list of resources available online.

Steps to Level 1 Draft a mission and vision statement for IMIS, and circulate with all key stakeholders.

Steps to Level 2

- Draft an Information Sharing & Safeguarding Strategy.
- Develop Policy, Guidance, and Standards: Ensure internal personnel and partners have the appropriate policy, guidance, and standards necessary to facilitate effective and efficient information sharing.

Steps to Level 3

- Formally charter a Governance Executive Committee.
- · Conduct a privacy impact assessment.
- Develop a document management system to include; document management plan, plan implementation, system maintenance.

s to

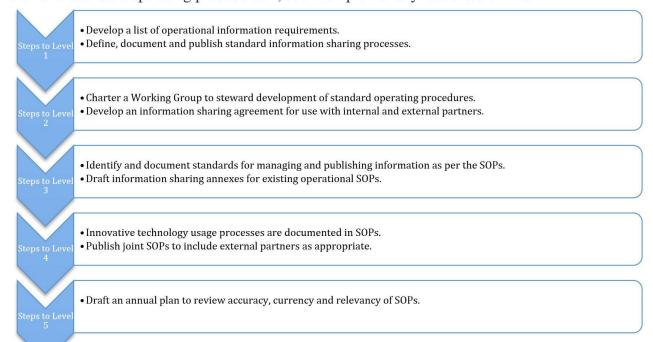
- Formally publish operational information, information and data requirements.
- Update the Information Sharing & Safeguarding Strategy to align with regional, national and international policies.
- Develop Information Sharing Access Agreements among agencies to establish terms and standards for sharing information and include a standalone privacy section to govern the use of information.

Steps to

- Develop a Business Continuity Plan (COOP & COG) to identify how information sharing will be conducted in a degraded environment.
- Develop an information assurance strategy.

4.3.1.2. Steps to Improve Standard Operating Procedures

The following diagram illustrates a stepwise model to improve the maturity of the CMM core element "standard operating procedures", with complementary resources online.



4.3.1.3. Steps to Improve Technology

The following diagram illustrates a stepwise model to improve the maturity of the CMM core element "technology", with a complementary list of resources available online.



• Define a technology approach and crisis information management architecture that conceptually ensures internal and external partners can communicate and share necessary, appropriate data in all environments and on a day-to-day basis.



- Charter a Working Group to develop and manage the technology development, configuration and integration efforts.
- Conduct baseline assessment of available technologies, and a gap analysis of needed capabilities.
- Define standards, systems requirements and design considerations for crisis information management systems.

teps to

- Define information and data schemas that align with operational mission requirements at a systems level.
- Document clear user-defined workflows for deployed CIMS technology products.

Steps to Level 4

- Develop and conduct technology acceptance testing process with external partners.
- Implement systems and network security standards and protocols.

to

- Define an organizational operations and maintenance plan that defines funding requirements for the enterprise.
- Define a plan to conduct routine systems performance checks, data usage analysis and user analysis.

4.3.1.4. Steps to Improve Training & Exercises

The following diagram illustrates stepwise model to improve the maturity of the CMM core element "training and exercises", with a complementary list of resources online.



• Publish a ist of CIMS trainings, events, demonstrations, and operational tools available to support improved information sharing.



• Develop a training SOP to incorporate CIMS lessons learned from past events into a formal improvement plan.

Charter a Working Gropu to focus on incorporating crisis information management into all training and exercises.
Develop language that includes information sharing as a formal criteria for success in all training and exercise plans.



- Develop specific technology training materials, user guides, tutorials for CIMS.
- Develop a multi-year training and exercise plan that focuses on measurably improving CIM capabilities.

Steps to Level 4

- Develop and implement a model training & exercise plan that incorporates CIM.
- Implement the IMIS CMM assessment process as part of training and exercises.

Steps to Level 5

- Implement a multi-year training and exercise plan with regional partners using the Regional Disaster Resiliency Framework Training & Implementation Toolkit.
- Apply to become an internationally certified training and exercise provider.

4.3.1.5. Steps to Improve Usage

The following diagram illustrates a stepwise model to improve the maturity of the CMM core element "usage", with a complementary list of resources available online.

Steps to

Develop a plan to use CIMS in planned events, training and exercises.

Steps to Level 2

- Charter a Working Group to focus on design and usage of technology to support operational missions..
- Develop a list of data/information validation and verifiation criteria to be vetted by operational users.

Steps to Level 3

- Conduct a usage workshop to scope intended use of technologies, strategies to collect and share information, and monitor and measure the effectiveness of the technology in support of operations.
- Develop and implement systems usability and workload measurements during training & exercises.

teps to

- Develop and implement process to use and measure performance of interoperable systems every day for managing routine as well as emergency incidents.
- Test systems during planned events (e.g., athletic events and large conferences/conventions that involve multiple responding agencies).

Steps to

- Publish usage guidance for external services that are publicly available.
- $\bullet \ Develop \ and \ implement \ regional \ usage \ surveys, performance \ metrics, and \ recommendations \ reports. \\$

Step 3: Conduct Exercise

Figure 28: Sample Exercise Overview



Figure 29: Sample Exercise Schedule

	Monday, September 25	Tuesday September 26	Wednesday, September 27	Thursday, September 28	Friday, September 2		
ALL TIMES	NICS Training Day	Training & Command Post TTX	Field Exercise Day 1	Field Exercise Day 2	Demonstration Day		
8:00		Kickoff	NICS Training	NICS Training			
9:00					Exhibition		
9:30					EXHIBITION		
10:00	Opening Ceremonies	NICS Training	Exercise	Exercise			
10:30	Opening Ceremonies	NICO Haining		LAGICISE	Demonstration		
11:00					Boniononduon		
11:30							
12:00							
12:30	Lunch	Lunch	Lunch	Lunch	Lunch		
13:00							
13:30					D 5 11-1-1-1 1 1 1 1		
14:00					Day 5 Hotwash / AAF Discussion		
14:30	NICS Training	Command Post TTX	Exercise	Exercise	2.234001011		
15:00	5996						
15:30							
16:00	Day 1 Hotwash	Day 2 Hotwash	Day 3 Hotwash	Day 4 Hotwash			
16:30	Day i Hotwash	Day 2 Hotwash	Day 3 Hotwash	Day 4 Hotwash			

Step 3: Conduct Exercise

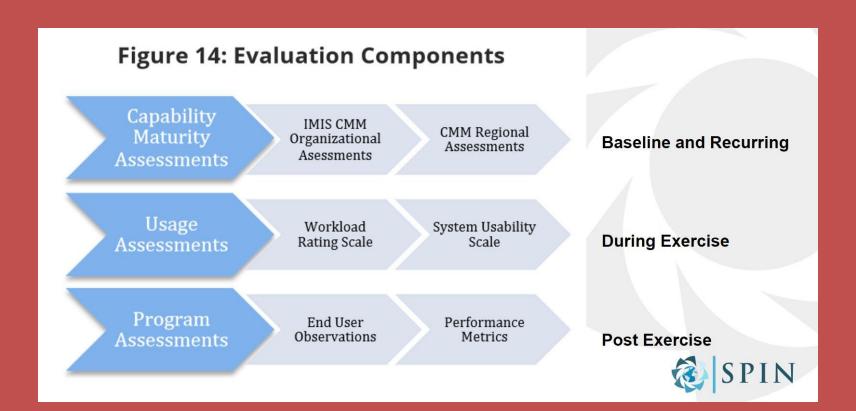
	ARCECP Exer	cise Logistics		SITE 1: Modrac Lake
Location	Primary Participants	Main Point of Contact	NICS Users	Location: Local community of Prokosovici, Municipality of Lukavac.
Name: Modrac Lake Lat/Long:	Croatia Water Rescue Team	Name: Agency: Mobile: Email:	Username: Username: Username:	Incidents: flood, incidents on lake, car accidents, contamination of water.
Name: Modrac Lake Lat/Long:	BiH Water Rescue Team	Name: Agency: Mobile: Email:	Username: Username: Username:	•
Name: Modrac Lake Lat/Long:	Montenegro Water Rescue Team	Name: Agency: Mobile: Email:	Username: Username: Username:	Mala
Name: Modrac Lakeshore Lat/Long:	Local Emergency Management Agency (LEMA) Incident Command	Name: Agency: Mobile: Email:	Username: Username: Username:	VIEW OF THE BASE OF OPERATION
Name: Tuzia Lat/Long:	Base of Operations (LEMA, DISTAFF, OSOCC)	Name: Agency: Mobile: Email:	Username: Username: Username:	PARKING HOLD RECORD REC
				STAGE
Location	Secondary Participants	Main Point of Contact	NICS Users	OBOCC CONTRACTOR
Name: Tuzia Lat/Long:	BiH emergency operations center	Name: Agency: Mobile: Email:	Username: Username: Username:	DISTAFF LEMA
Name: Zagreb, Croatia Operations Center Lat/Long:	Country-specific civil emergency protection centers	Name: Agency: Mobile: Email:	Username: Username: Username:	Area for Static Display
Name: Podgorica, Montenegro Operations Center Lat/Long:	Country-specific civil emergency protection centers	Name: Agency: Mobile: Email:	Username: Username: Username:	VIRTUAL EXERCISE FIELD EXERCISE
Name: Skopje, Macedonia Operations Center Lat/Long:	Country-specific civil emergency protection centers	Name: Agency: Mobile: Email:	Username: Username: Username:	LIMI PORTAFI
Name: Brussels, Belgium EADRCC Operations Center Lat/Long:	NATO EADRCC	Name: Agency: Mobile: Email:	Username: Username: Username:	DISTAFF CHOCK
Name: Brussels, Belgium ERCC Operations Center Lat/Long:	European Commission ERCC	Name: Agency: Mobile: Email:	Username: Username: Username:	Operation
Name: UN OCHA Virtual OSOCC	UN Virtual OSOCC	Name:	Username:	Centres Sunt Sunt

Step 3: Conduct Exercise

Figure 31: Sample Exercise Playbook (MSEL)

		N/	ATO-NICS EA	DRCC BC	SNIA & HERZ	EGOVINA REGIONA	AL EXERCISE PLA	УВООК				
Unique ID	Operational Phase(s)	Operational Mission Requirements	Description	Inject Mode	Responsible Actors	Recipient Players	Expected Actions	Information & Data Requirements	Information Sharing Requirements	Lat	Long	Notes
Steady State - 1	Normal Response	Cross-border planning for humanitarian assistance	Share flood hazard mitigation plans	NICS	Civil emergency protection agencies	Civil emergency protection personnel in national and international partner organizations	Step 1: Create plans Step 2: Share plans Step 3: Visualize & share plans	Contours defining the geographic area of concern, modeled impact analysis including extent and severity level of the hazard.	With BiH, Croatia, Macedonia, Montenegro and EADRCC			
Steady State - 2	Normal Response	Monitor daily forecast	Monitor local, national and regional weather reports and forecasts	NICS	Hydrometeorological agencies, weather services	Civil emergency protection personnel in national and international partner organizations	Step 1: Create daily forecast Step 2: Share daily forecast Step 3: Visualize & share daily forecast	Daily forecasts may include severe weather, geological, active threat, and/or special event notices. Include timestamp.	With BiH, Croatia, Macedonia, Montenegro and EADRCC			
Steady State - 3	Elevated Threat	Establish elevated threat forecast	Establish areas of concern, modeled impacts	NICS	Hydrometeorological agencies, weather services, civil emergency protection agencies	Civil emergency protection personnel in national and international partner organizations	Step 1: Create forecast Step 2: Share forecast Step 3: Visualize & share forecast	Contours defining the geographic extent and severity level of the hazard, using the appropriate hazard-relevant scale and timestamp.	With BiH, Croatia, Macedonia, Montenegro and EADRCC, ERCC, OSOCC			
Steady State - 4	Credible Threat +	Send and receive alerts, warnings and notifications	Develop and send a message with specific instructions for officials and citizens	NICS	Civil emergency protection agencies	Civil emergency protection personnel in national and international partner organizations	Step 1: Create alert message Step 2: Send alerts Step 3: Visualize & share alerts	Alert message content, geographic extent and severity level of the threat, instructions for officials and citizens, timestamp.	With BiH, Croatia, Macedonia, Montenegro and EADRCC			
Steady State - 5	Credible Threat 👻	Pre-position response assets	Identify pre-event resource needs and initiate pre-deployment of assets (where applicable)	NICS	Civil emergency protection agencies	Civil emergency protection personnel in national and international partner organizations	Step 1: Identify response assets Step 2: Pre-deploy response assets Step 3: Visualize & share asset activities	Resource name, owner, type, capability, cost per day, proximity to site. Timestamp.	With BiH, Croatia, Macedonia, Montenegro and EADRCC			
Response - 1	Immediate Response	Conduct impact analysis to determine scale of operations	Impacted communities and support organizations assemble field reports and determine scale of operations	NICS	Civil emergency protection agencies	Civil emergency protection personnel in national and international partner organizations	Step 1: Conduct impact analysis Step 2: Determine scale of operations Step 3: Vizualize & share results	Contours defining the geographic extent and severity level of the hazard, using the appropriate hazard-relevant scale and timestamp. Description of scale of operations.	With BiH, Croatia, Macedonia, Montenegro and EADRCC, ERCC, OSOCC			
Response - 2	Immediate Response	Activate response coordination centers and first responders	Based upon scale of operations, a determination is made to activate at local, national or international level(s)	NICS	Civil emergency protection agencies	Civil emergency protection personnel in national and international partner organizations	Step 1: Activate response Step 2: Issue task orders Step 3: Visualize & share status updates	Provide situation reports for each activated response mechanism on a rolling basis. Timestamp and visualize results based upon geographic location.	With BiH, Croatia, Macedonia, Montenegro and EADRCC, ERCC, OSOCC			
Response - 3	Immediate Response	Identify and request resources that need to be deployed	Based upon the impact analysis, it is determined that flood water rescue teams are needed	NICS	Civil emergency protection agencies	Water Rescue DISTAFF, Civil emergency protection personnel in national and international partner organizations	Step 1: Identify resource requirement Step 2: Submit request for assistance Step 3: Visualize asset locations at home station	Requestor, resource type, resource amount, location, RFA document, asset locations at home station. Timestamp and visualize results based upon geographic location.	With BiH, Croatia, Macedonia, Montenegro and EADRCC, ERCC, OSOCC			
Response - 4	Deployment -	Transport resources to the affected area of concern	Flood water rescue teams are transported from BiH, Croatia and Montenegro to Modrac Lake	NICS	Civil emergency protection agencies, LEMA, Base of Operations	Water Rescue DISTAFF, Civil emergency protection personnel in national and international partner organizations	Step 1: Determine transit route Step 2: Mobilize assets Step 3: Visualize asset movements	Geospatially display transit routes, asset movements, estimated times to arrival, and deployment locations.	With BiH, Croatia, Macedonia, Montenegro and EADRCC, ERCC, OSOCC			
Response - 5	Deployment	Conduct tactical field missions and task orders from incident commanders	Flood water rescue teams conduct missions and track progress	NICS	Water Rescue Teams, Incident Command	Water Rescue DISTAFF, Civil emergency protection personnel in national and international partner organizations	Step 1: Issue task orders Step 2: Conduct water rescue missions Step 3: Report status of missions	Water rescue site, task order, asset location, status reports.	With BiH, Croatia, Macedonia, Montenegro and EADRCC, ERCC, OSOCC			
Response - 6	Sustained Response ~	Tactical field missions status undates (rolling)	Flood water rescue teams provide status updates to the incident command and base	NICS	Water Rescue Teams	Water Rescue DISTAFF, Civil emergency protection personnel in national and	Step 1: Report status of mission Step 2: Visualize sitrep	Water rescue site, task order, asset location, status reports.	With BiH, Croatia, Macedonia, Montenegro and EADRCC, ERCC			

Step 4: Exercise Evaluation



Step 5: Post-Exercise CMM Assessment

This step includes:

- CMM Assessment 6-9 months after the exercise
- CMM Assessment with same group of organizations that participated in the baseline assessment
- Side-by-side analysis of CMM Assessment Summary Results

Key Outputs:

- Re-Assessment Summary Report
- Revised training plan based on the Stepwise Process to Advance Capability Maturity
- Revised program plan for the next cycle of development



Capability Assessment Summary Report

April 2017

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ARCECP Capability Assessment Summary Report

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