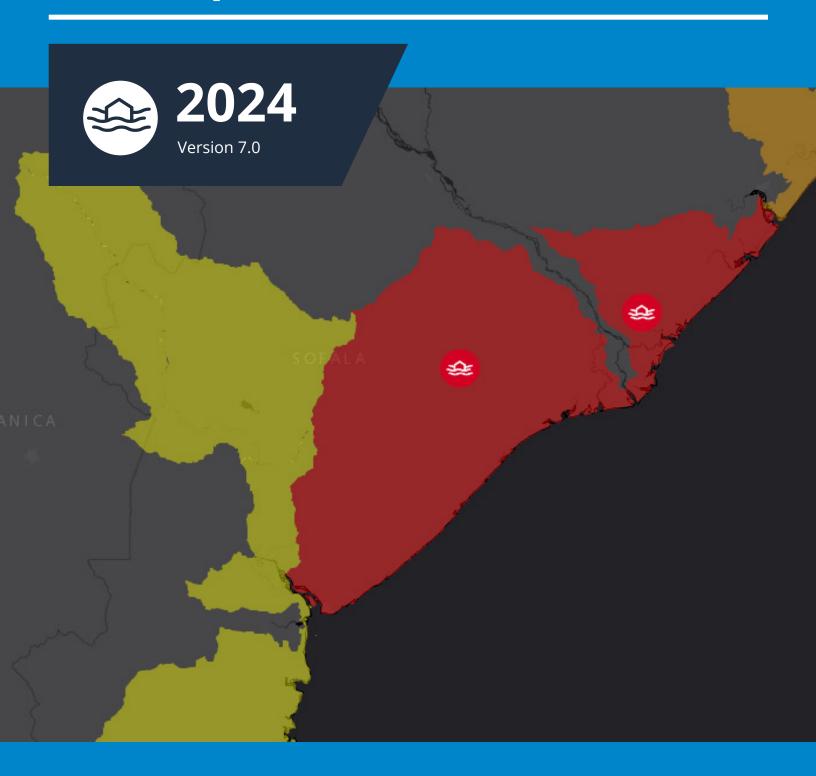


DISASTERAWARE PRO®Flood Operations Checklist



Make better decisions, faster.

DISASTERAWARE PRO Flood Operations Checklist

Hazards can occur anywhere, and at anytime, requiring fast and effective decision making to protect lives and livelihoods. This procedural checklist is designed to assist emergency and disaster management practitioners in utilizing PDC's DisasterAWARE Pro system to plan for and respond to flood hazard events. It provides guidance on how to use DisasterAWARE early warning and anticipatory insights to ensure effective actions are taken and how to use the system to know where a hazard is likely to occur, who will be impacted, the extent and severity of impacts, and what can be done to save lives and property.



Before using this checklist, make sure you meet the following prerequisites:

You are an emergency / disaster management practitioner.

This checklist is designed for emergency and disaster management practitioners who support emergency operations centers.



In order to make use of this checklist you must have an active Disaster-AWARE Pro user account. To register, visit https://disasteraware.pdc.org and create an account.

You have completed all DisasterAWARE tutorials and set up your Smart Alert notifications.

To understand where to access key features and functions of the system referenced in this checklist, you will have had to complete the Beginner and Advanced DisasterAWARE tutorials provided at https:// www.disasteraware.org/tutorials.

Other helpful resources

DisasterAWARE Quick Start Guide https://www.disasteraware.org/quickstartguide

DisasterAWARE Full User Guide https://www.disasteraware.org/userguide

Need help?

Problems logging in?



disaster@pdc.org

Disaster response support:



response@pdc.org



PDC's flood monitoring and early warning leverages near-real-time reports from scientific authorities covering the globe. Within the U.S. and Canada, notifications are provided through the National Weather Service and the Meteorological Service of Canada; and for the remainder of the globe, flood alerting is provided through an innovative partnership between PDC and NASA's Earth Applied Sciences Disasters program area.



ALERT AND NOTIFICATION - NEW FLOOD HAZARD IDENTIFIED

T = Time of Event

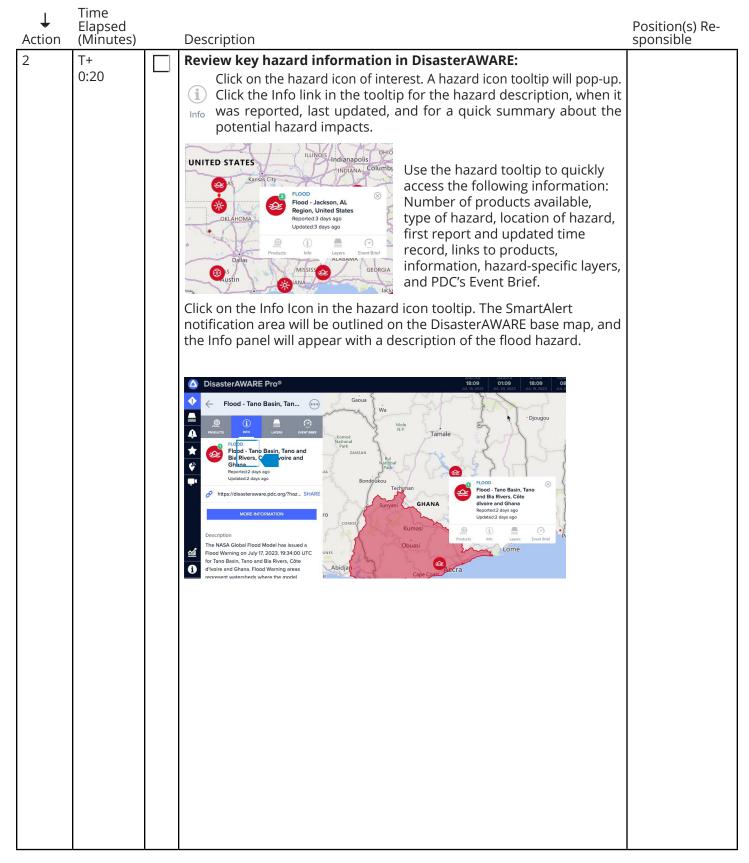
Position Responsible = To be assigned by agency

Time Ela (Minute		Trigger / Activity	Position(s) Responsible
T1+ 0:00		New flood hazard / threat identified: DisasterAWARE SmartAlert sends an alert/notification for a new flood hazards in the designated area of responsibility (AOR), or it is identified by the emergency management organization's DisasterAWARE Pro monitoring activities. If there is knowledge of a hazard from another source and it is not shown in DisasterAWARE, contact response@pdc. org to have it added.	
↓ Action	Time Elapsed (Minutes)	Description	Position(s) Responsible
1	T+ 0:05	Determine hazard severity (WARNING/WATCH/INFORMATION) in DisasterAWARE via the flood hazard icon color on the map: Outside the United States and Canada Note: Flood hazards outside the United States and Canada were developed in partnership with NASA and are predictive. Warning (Red): Flooding is anticipated to occur and may impact populations and infrastructure. Monitor closely and be prepared to act if necessary. United States and Canada Warning (Red): Flooding is imminent or occurring with severe impacts to population and infrastructure. Watch (Yellow): Conditions are favorable for flooding to occur with the potential to impact population and infrastructure. Information (Blue): Significant flooding has recently occurred with severe impacts to population or infrastructure. Agencies are responding. No additional threat anticipated.	





Continued... ALERT AND NOTIFICATION - NEW FLOOD HAZARD IDENTIFIED

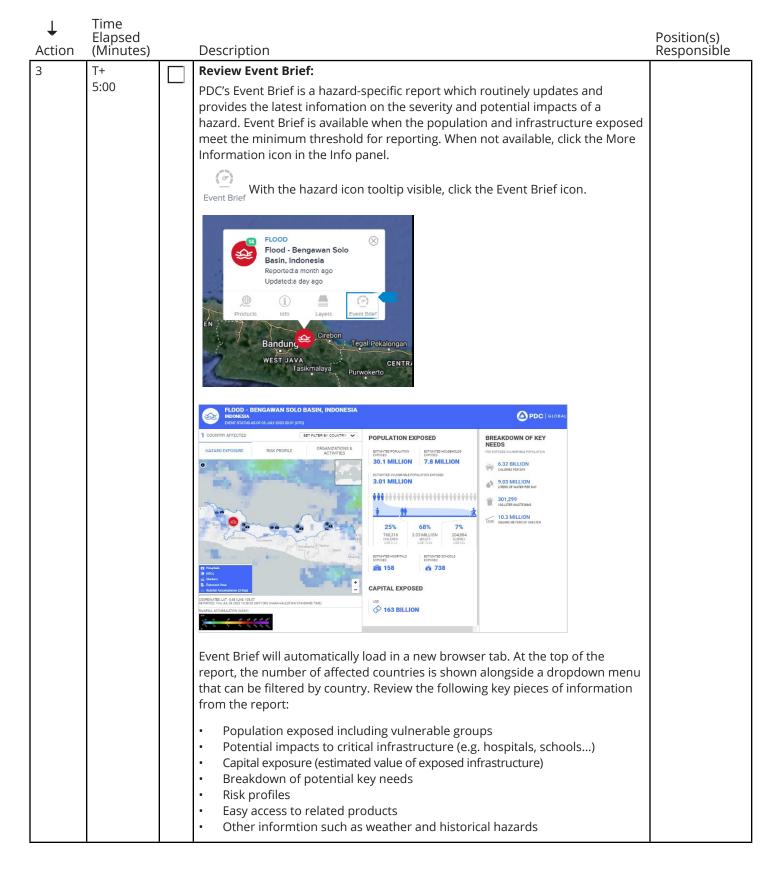


PDC Global www.pdc.org





Continued... ALERT AND NOTIFICATION - NEW FLOOD HAZARD IDENTIFIED







Continued... ALERT AND NOTIFICATION - NEW FLOOD HAZARD IDENTIFIED

T = Time of Event **Position Responsible =** To be assigned by agency Time Elapsed Position(s) Responsible Action (Minutes) Description 4 T+ **Review Hazard Products:** 8:00 With the hazard tooltip visible, click the Products link to review specialized hazard maps and products. Products 5 T+ Use data to support daily operational readiness, impact assessment, and 15:00 reporting: Note receipt of the hazard alert (Information, Advisory, Watch, or Warning) in daily operations event log. With the hazard tooltip visible, click the Layer icon to turn on hazard-specific layers as needed. Layers UNITED STATES Be sure to also check for additional relevant data in the Layers panel (left menu) to further enhance your situational awareness (e.g., terrain, weather observations, risk and vulnerability, critical infrastructure, and regional and country-specific layers). Utilize the Bookmark feature to save and share specific layers / maps with partners and senior leaders. Create drawings to add key information to be shared with partners and senior leaders. Use the Print feature to save and email/print maps or products. Use the above features and products to keep Senior Leadership informed as required by your emergency management organization's Standard Operating Procedures (SOP).

6 PDC Global www.pdc.org

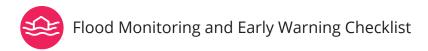


0

Continued... ALERT AND NOTIFICATION - NEW FLOOD HAZARD IDENTIFIED

T = Time of Event		Position Responsible = To be assigned by agency		
↓ Action	Time Elapsed (Minutes)		Position(s) Responsible	
	1		(csporisible	
6	T+	Hazard monitoring:		
		Continue to monitor hazard impacts in AOR using DisasterAWARE Pro's automated updates, including alert level changes, Event Brief anticipated impact reports, and potential resource requirements needed for response operations.		
		 Use information in SA products as needed. Continue to update Senior Leadership as required. If authorized, upload situational awareness products as updates occur.³ 		
		 Continue monitoring until the hazard expires in DisasterAWARE Pro or monitoring is no longer required. 		
7 T+		Supervisory oversight:		
		Ensure checklist tasks have been completed or are in progress as appropriate. Ensure daily operations event log is up to date with all: Hazard and weather-related information received.		
		 Notifications and reports to Senior Leadership as required. Continue until hazard expires in DisasterAWARE Pro or monitoring is no longer required. 		

³Approved organizations only. For more information or to request a product be uploaded, contact response@pdc.org.





FLOOD HAZARD REQUIRES EMERGENCY RESPONSE ACTIVATION

T = Time of Event

Position Responsible = To be assigned by agency

Time Ela Minute			Position(s) Responsible
T2+):00		Flood hazard's severity reaches need for Emergency Response Operation: Senior Leadership activates Emergency Response Operations as provided for by the emergency management organization's SOP.	
↓ Actio	Time Elapsed on (Minutes)	Description	Position(s) Responsible
8	T+ 10:00	Prepare initial incident brief: Review Event Brief updates and hazard layers to include in initial incident briefing materials.	
9	T+ 20:00	 Conduct initial incident briefing: Provide initial incident brief to Incident Command/Senior Leadership. 	
10	T+ 	 Monitor/gather data/report/keep records: Continue to monitor hazard in DisasterAWARE Pro for automatic updates, impacts in AOR, and potential resource requirements needed for response operations under changing conditions. Use information in SA products and briefings for Incident Command, Senior Leadership, the Media, etc. as needed. If authorized, upload situational awareness products as updates occur.² Continue for duration of incident. 	
11	T+ 	 Incident timeline oversight: Ensure checklist tasks have been completed or are in progress as appropriate. Ensure organization records and DisasterAWARE Pro Hazard product file (as appropriate) are up to date with: Hazard and weather-related information received. SA products issued. Briefings for Incident Command/Senior Leadership as provided for by emergency management organization's SOP. Continue for duration of incident. 	

8 PDC Global www.pdc.org

²Approved organizations only. For more information or to request a product be uploaded, contact response@pdc.org.



Better solutions. Fewer disasters.

Scifer World

1305 N Holopono Street Suite 2, Kihei, HI 96753 P: (808) 891-0525 F: (808) 891-0526



@PDC_Global



/PDCGlobal



www.pdc.org



info@pdc.org