

OTM-047: Logistics planning for emergency events (emergency response planning)

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Challenge

	Challenge ID	OTM:047				
1	Title	Logistics planning for emergency events (emergency response planning)				
2	Theme ID	ON 5.2: Logistics planning and operations - Support to surveying crews for planning surveys and H&S				
3	Originator of Challenge	Onshore: OTM				
4	Challenge Reviewer / initiator	PEMEX, Statoil, PetroSA, Tullow				
General description		Overview of Challenge				
5	What is the nature of the challenge? (What is not adequately addressed at present?)	We need to create emergency action plans that enable evacuation & access to areas of operation that can be very remote. It is necessary to know routes to different points. Route planning can also influence security planning to ascertain where security risks might need to be considered				
6	Thematic information requirements	1. Obtain detailed topographic information, 2. Obtain detailed terrain characterisation, 3. Obtain detailed vegetation information, 4. Obtain detailed land-use information, 5. Identify location and condition of transport infrastructure,				
7	Nature of the challenge - What effect does this challenge have on operations?	The health, safety and welfare of operational staff is critical. We must ensure that in the event of any incident, measures are in place that can ensure our staff are as safe as possible. Without this, our operations cannot take place.				
8	What do you currently do to address this challenge?/ How is this challenge conventionally addressed?	Online imagery, ground survey teams				
9	What kind of solution do you envisage could address this challenge?	Very high to high resolution EO data to derive land use information, with focus on transportation infrastructure. Resolution depends on covered area and size of analysis objective.				
10	What is your view on the capability of technology to meet this need? – are you currently using EO tech? If not, why not?					
Challenge classification						
11	Lifecycle stage	Pre license	Exp.	Dev.	Prod.	Decom.
	Score from impact quantification [1]	3	3	3	3	3
12	Climate classification	NOT CLIMATE SPECIFIC				
13	Geographic context/restrictions	Generic onshore (Unspecified)				
14	Topographic classification / Offshore classification	Generic onshore (Unspecified)				
15	Seasonal variations	Any season				
16	Impact Area	Health and Safety				
17	Technology Urgency (How quickly does the user need the solution)	Immediately (0-2 years)				
Information requirements						
18	Update frequency	Snap shot requirement				
19	Data Currently used					
20	Spatial resolution					
21	Thematic accuracy					
22	Example formats					
23	Timeliness	Reference data - timeliness not important				
24	Geographic Extent	district area				
25	Existing standards					

[1] Impact quantification scores: 4 – Critical/ enabling; 3 – Significant/ competitive advantage; 2 – Important but non-essential; 1 – Nice to have; 0 – No impact, need satisfied with existing technology

Relevant products

Content by label

There is no content with the specified labels