OTM-070: Understanding security situations

Understanding security situations

Challenge

	Challenge ID	OTM:070				
1	Title	Understanding security situations				
2	Theme ID	ON 5.3: Logistics planning and operations - Facility siting, pipeline routing and roads development				
3	Originator of Challenge	Onshore: OTM				
4	Challenge Reviewer / initiator	Ardan-Africa				
	General description	Overview of Challenge				
5	What is the nature of the challenge? (What is not adequately addressed at present?)	In remote parts of East and Central Africa, for example, communication can be unreliable. When we have lost communications we would like to know whether this loss in communication is down to an incident at the site, or is harmless technical problem. When incidents occur on remote sites it is often difficult for HQ to understand the nature of the situation.				
6	Thematic information requirements	9. Obtain detailed imagery of assets,				
7	Nature of the challenge - What effect does this challenge have on operations?	There is a risk to personnel and a knock-on cost implication if we can't manage incidents effectively. As an example, we had an incident in South Sudan where a medic went missing. We lost comms and it was difficult to understand the situation on the gro				
8	What do you currently do to address this challenge?/ How is this challenge conventionally addressed?	Use of back-up communications systems, but these require an individual to be available to give situation reports.				
9	What kind of solution do you envisage could address this challenge?					
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]	0	2	2	2	2
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	As close to real-time as possible				
19	Data Currently used					
20	Spatial resolution					
21	Thematic accuracy					
22	Example formats					
23	Timeliness	As close to real-time as possible				
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