

OTM-048: Identifying munitions debris (UXO, mines, etc.)

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Challenge

Challenge ID	OTM:048				
1 Title	Identifying munitions debris (UXO, mines, etc.)				
2 Theme ID	ON 1.2: Seismic Planning - Identification of adverse terrain for trafficability				
3 Originator of Challenge	Onshore: OTM				
4 Challenge Reviewer / initiator	PetroSA, Exxon, Tullow, Petronas				
General description		Overview of Challenge			
5 What is the nature of the challenge? (What is not adequately addressed at present?)	Where there has been a history of conflict, the presence of munitions or munitions debris can trouble operations. Identification of munitions debris and its migration patterns would be useful to ensure use of complimentary clearance resources.				
6 Thematic information requirements	8. Identify the presence of UXO,				
7 Nature of the challenge - What effect does this challenge have on operations?	Identification of munitions debris in a survey area will cause operations to cease until the munitions debris is cleared. This can cause unforeseen delays, costs and a health and safety risk to our staff.				
8 What do you currently do to address this challenge?/ How is this challenge conventionally addressed?	Scouting team, military maps				
9 What kind of solution do you envisage could address this challenge?	We currently look for disturbed ground				
10 What is your view on the capability of technology to meet this need? – are you currently using EO tech? If not, why not?	No applicable EO solution is considered available at present				
Challenge classification					
11 Lifecycle stage	Pre license	Exp.	Dev.	Prod.	Decom.
Score from impact quantification [1]	3	4	4	3	4
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

