

# OTM-064: Avoiding aerial mapping restrictions

## Avoiding aerial mapping restrictions

### Challenge

	Challenge ID	OTM:064				
1	Title	Avoiding aerial mapping restrictions				
2	Theme ID	ON 5.1: Logistics planning and operations - Baseline mapping of terrain and infrastructure				
3	Originator of Challenge	Onshore: OTM				
4	Challenge Reviewer / initiator	Ramani, Statoil, Ardan-Africa				
General description		Overview of Challenge				
5	What is the nature of the challenge? (What is not adequately addressed at present?)	Existing mapping in many regions (especially Central / Eastern Africa) is very out of date. O&G operators thus have a need for up-to-date baseline maps, onto which detailed information can be plotted.  In tropical regions that are frequently cloud covered, aerial surveys are used. However, for some countries, it is troublesome, bureaucratic and slow to get permissions to undertake these. For example, in DRC, permission is needed from survey department, transport authority, and others. A way to get round this would be of great use.				
6	Thematic information requirements	14. Obtain detailed imagery of the surface,				
7	Nature of the challenge - What effect does this challenge have on operations?	Delay in developing / exploration activity				
8	What do you currently do to address this challenge?/ How is this challenge conventionally addressed?	Alternative mapping techniques				
9	What kind of solution do you envisage could address this challenge?	Very high to medium resolution EO data.				
10	What is your view on the capability of technology to meet this need? – are you currently using EO tech? If not, why not?	EO could be a useful complimentary technology				
Challenge classification						
11	Lifecycle stage	Pre license	Exp.	Dev.	Prod.	Decom.
	Score from impact quantification [1]	1	1	1	1	1
12	Climate classification	All, with exception of arid regions				
13	Geographic context/restrictions	Generic onshore (Unspecified)				
14	Topographic classification / Offshore classification	Generic onshore (Unspecified)				
15	Seasonal variations	Any season				
16	Impact Area	Speed exploration and development (Operational cost reduction), environment, 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	Aerial imagery				
20	Spatial resolution	Aerial imagery				
21	Thematic accuracy					
22	Example formats					
23	Timeliness	Within a week				
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