

# Hatfield-1214: Identify restricted areas that must be avoided

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## Challenge

Challenge ID:	HCP-1214	Originator:	Onshore: Hatfield
Title:	Identify restricted areas that must be avoided.		
Theme:	ON 1.2: Seismic Planning - Identification of adverse terrain for trafficability		
Consortium Lead:	RPS Group	Interviewed Company:	RPS Group
Geography:	ON.REG.00 - Generic onshore		
Challenge Description			
What is not possible / not adequately addressed at present?			
Military installations, airports, electricity plants, UXO and ERW contaminated areas etc. are all areas that generally need to be excluded from a survey plan or may require specific measures in place to acquire nearby. Pre-identifying these areas helps with survey line planning and positioning.			
What effect does this challenge have on operations?			
Discovering "no-go" areas during an operation leaves limited opportunities to adjust survey layout to achieve optimal results.			
Thematic information requirements:	Ortho base images Distribution and status of infrastructure Land Use UXO hazard		
What do you currently do to address this challenge?			
How is this challenge conventionally addressed?			
Extensive use of Google Earth and other equivalents, but the imagery may not always be current. Some use of historical imagery data, like Corona.			
What kind of solutions do you envisage could address this challenge?			
Combination of current satellite imagery and historical imagery to identify areas. Time lapse imagery provides an opportunity to look at temporal variations.			
What is your view on the capability of technology to meet this need?			
Are you currently using EO tech? If not, why not?			
Regularly archived high resolution imagery. Interested in potential solutions if timeliness and accuracy can be ensured.			
Challenge Classification			
Impact on Lifecycle (0=none, 4=high):		Climate / Topography / Urgency:	
Pre-license:	1	Climate class:	Generic climate
Exploration:	3	Topographic class:	Not specific
Development:	1	Seasonal variations:	Any season
Production:	1	Impact area:	Health and Safety, Cost reduction
Decommissioning:	1	Technology urgency:	3 - Immediately (0-2 years)
Challenge Information Requirements			
Update frequency:	Snapshot		
Data currently used:	High resolution imagery		
Spatial resolution:	Basin		
Thematic accuracy:	Not specific		
Required formats:	Not Specific		

Timeliness (Vintage):	Within six months
Geographic extents:	Basin
Existing standards:	None

## Relevant products

**Content by label**

There is no content with the specified labels