

SMART SURVEYORS FOR LAND AND WATER MANAGEMENT
CHALLENGES IN A NEW REALITY



eWORKING WEEK 2021
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GNSS Augmentation Services Marketplace

Session 5.4 GNSS Augmentation Services - Tuesday 22 June 10:30-12:00 CET

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SMART SURVEYORS FOR LAND AND WATER MANAGEMENT CHALLENGES IN A NEW REALITY



Established

Government

LEO PNT

Custom

Telecom

Agriculture

Automotive

1995

2021

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Requirements



Geospatial/Survey

Accuracy mm-cm
Availability
Continuity
TTFaF
Connectivity

Applications	Cadastral & Construction	Infrastructure monitoring	Mine surveying	Mapping and GIS	Marine surveying
Key GNSS requirements	Accuracy (down to mm), Availability, Continuity, Time To First accurate Fix (TTFaF)	Accuracy (down to mm), Availability, Continuity, TTFaF	Accuracy (down to cm), Availability, Continuity, TTFaF	Accuracy (down to cm), Availability, Continuity	Accuracy (down to cm), Continuity, Integrity
Other requirements		Connectivity Interoperability		Connectivity, Size, Weight	Interoperability Resilience