



Operational Requirements				Priority level
Category	Code	Title	Description	
Confidentiality, data protection and safety	OP-CONF-04	Encryption	The SecureGas system should allow encrypted communication (whatever the exchange mode), so that critical information is not exposed to public unless completely necessary.	High
Conditions	OP-COND-04	Geographical scalability	The SecureGas system should be adaptable to different geographical areas (linear facilities), from 1 to thousands of kilometers.	High
	OP-COND-03	Flexibility	The SecureGas system should be flexible: new components (e.g. subsystems, sensors, users' legacy systems) should be integrated in the SecureGas system in an easy way.	High
Interoperability	OP-INTER-01	Interoperability with existing systems	The SecureGas system should be interoperable with existing monitoring tools and systems of end-users.	High
Detection, situational awareness and decision support	OP-DSD-01	Detection of cyber threats/attacks	The SecureGas system should be able to detect cyber threats and attacks to end-users' IT and OT infrastructures.	High
	OP-DSD-02	Landslide hazard detection	The SecureGas system should detect landslide hazards.	High
	OP-DSD-03	Intrusion detection (including motion detection)	The SecureGas system should detect and identify suspicious persons (intruders) and objects.	High
	OP-DSD-05	Leak detection	The SecureGas system should be able to detect pipeline leaks.	High



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	OP-DSD-12	Risk level of events	The SecureGas system should provide information on the risk level of the various physical and cyber threats targeting end-users' network.	High
	OP-DSD-13	Decision support	The SecureGas system should provide decision support and recommendation services to end-users targeted to priority security issues.	High
	OP-DSD-15	Simulation	The SecureGas System should provide simulation capabilities.	High
Usability	OP-USA-05	Accurate information	The SecureGas system should provide accurate information to the stakeholders. No more than 5% of total alarms generated should be false.	High
Information Management	OP-INFOR-05	Supported data	The system should allow the displaying of different kinds of data such as: - maps and data from mapping software (such as roads, threats and risks, CBRN risks, water networks, electrical networks, etc.) - data on critical infrastructure, vulnerable sites (e.g. their location, their type, the number of persons, etc.) and cadastral maps if available - weather forecasts and relevant meteorological information - disaster plans.	High
Cost	OP-COST-01	Cost-efficient	The SecureGas system should be cost-efficient (taking into account commercial prices of available equipment).	High