

Annex I: building blocks to be developed as part of the HSE Governance System

Building Block	Title	Proposed Contents / Topics to be covered	Man-days Approx.
1	Governance Philosophy	Scope	40
		Self-regulation/goal based requirements	
		Risk based philosophy	
		Prescriptive elements	
		Roles and responsibilities	
		Approvals (role of independent bodies)	
		Permitting system (environmental: emissions, waste, discharges, flaring & venting), (OH), (Permit to work system)	
		Transboundary impact coordination	
2	Operational Criteria	Risk management: tools, techniques, analysis, risk acceptance criteria... such as: IEE, EIA, SEA, ENVID/HAZID, HAZOP, QRA, OHRA, ERA, etc.	170
		Barrier management: philosophy and prescriptive criteria	
		HSE Permitting System and Criteria: Environmental emission limits, discharge criteria, Occupational Health thresholds...: <u>Occupational Health:</u> Radioactive sources, NORMS, Physical agents, Chemical Agents, Biological agents (e.g. Noise, vibration, illumination, accommodation, ergonomics and temperature levels, Fumes/ Toxic gases, Legionella)... <u>Environment:</u> Air emissions, Waste management (solid and liquid wastes), Use of dispersants and chemicals... <u>Special Operations:</u> Diving, Simultaneous Operations (SIMOPS), Heavy Lifts Transport Safety (Air/Marine/Road) Accommodation	
3	HSE Management System Requirements	Operator's Management system requirements: HSE policy - management system - organization - risk analyses – barrier management, competence and training - monitoring of performance - emergency preparedness – reporting, adoption of best international practices...	40

Building Block	Title	Proposed Contents / Topics to be covered	Man-days Approx.
		Operator's HSE Plan requirements: contractor management, exploration, drilling, production, decommissioning...	
4	Emergency Response and Crisis Management	Emergency preparedness and response framework:* Crisis management / Medevac Operator's Security Plan	50
5	Compliance Assurance	Develop the concept and role of: Independent verification bodies Independent review bodies Monitoring and inspection requirements Operator's Reporting requirements Approvals roles and responsibilities Internal and external audits	45
6	Continuous Improvement	Knowledge transfer Learning from incidents Learning from audits Consultants qualifications and performance management	30
7	Social Management	Social engagement Social and Health impact assessment Communication and Grievance mechanisms	25

* Oil spill contingency planning is not part of the scope of work but should be integrated in the proposed framework