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SPE Presentation Bangkok

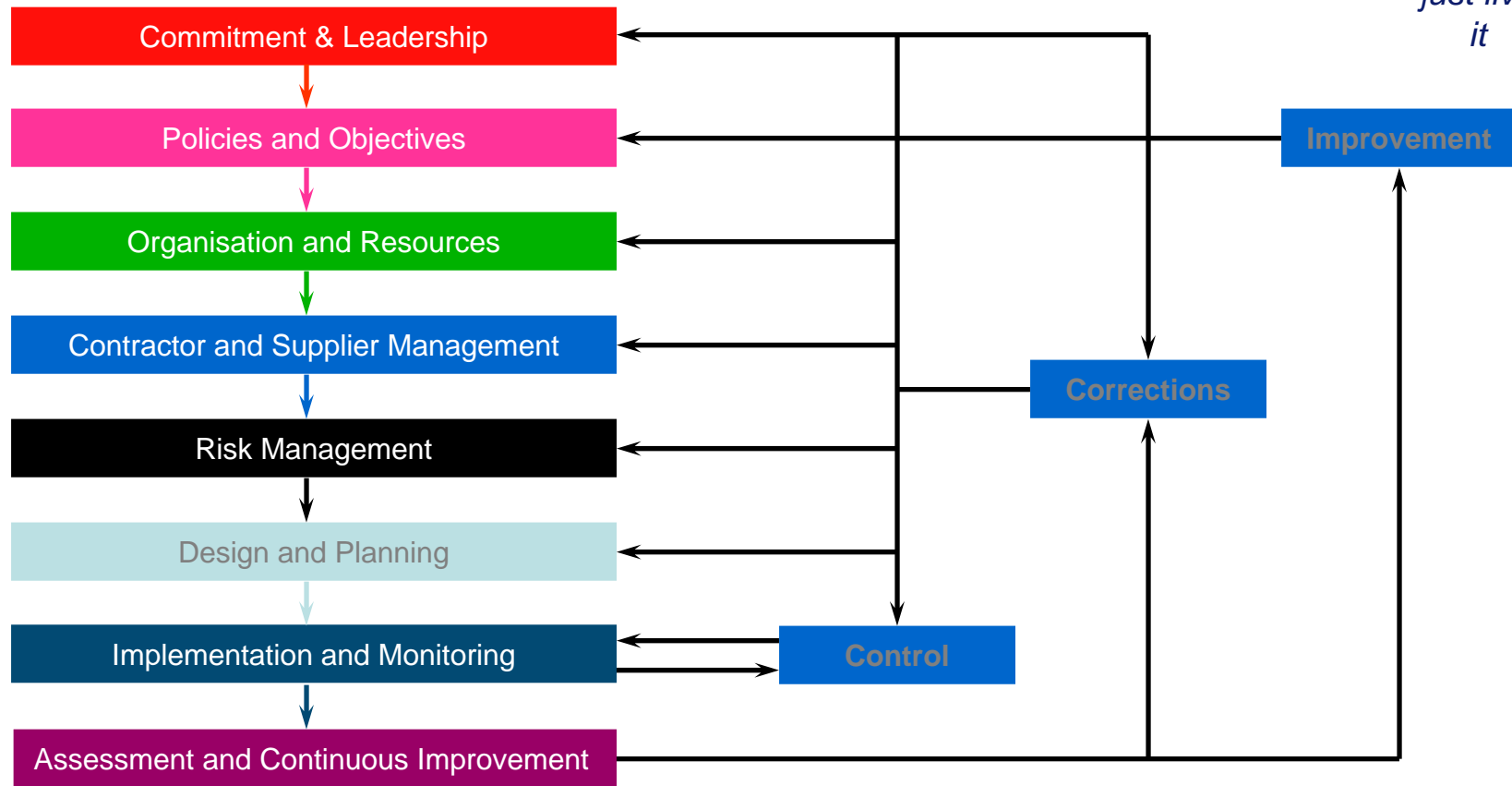
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10/1/2007

Management System



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Risk Assessment



Mitigating Scoring Chart

-25 to -20	BLACK	EXTREME:	Non-Operable	0% to 63%
-16 to -10	RED	HIGH:	Intolerable	60% to 69%
-9 to -5	YELLOW	MEDIUM:	Undesirable	70% to 79%
-4 to -2	GREEN	LOW:	Acceptable	80% to 89%
-1	BLUE	INSIGNIFICANT:	Negligible	90% to 100%

MITIGATION Control Measures	← PREVENTION	SEVERITY	Improbable	Unlikely	Possible	Likely	Probable
			1	2	3	4	5
				LIKELIHOOD →			
Light	-1		-1 1L	-2 2L	-3 3L	-4 4L	-5 5L
Serious	-2		-2 1B	-4 2B	-6 3B	-8 4B	-10 5B
Major	-3		-3 1H	-6 2H	-9 3H	-12 4H	-15 5H
Catastrophic	-4		-4 1C	-8 2C	-12 3C	-16 4C	-20 5C
Multi-Catastrophic	-5		-5 1MC	-10 2MC	-15 3MC	-20 4MC	-25 5MC

White arrow indicates decreasing risk

Security Risk Evaluation Criteria Table

Risk Value (av.)	-1.5	-3.5	-7.5	-15.0	-22.5
Risk Range	-1 to >-2	-2 to >-5	-5 to >-10	-10 to >-20	-20 to >-25
Risk Level	Insignificant	Low	Medium	High	Extrema
Armed Conflicts (Terrorism for Control Risks)	The Region/Cities/Locations has no precedents of Armed Conflicts. There are few if any attractive targets for international extremist groups, who would have difficulty operating in the Region/Cities/Locations because of good security and/or a lack of potential support networks.	The Region/Cities/Locations has few if any Armed Conflicts, and / or is not a target for international extremist groups. However, these groups may use the Region/Cities/Locations to attack 'Western' targets. Limited potential support and/or security conditions would hamper any such groups operations.	Armed groups are active, and / or the Region/Cities/Locations are an obvious target for international extremist groups, and/or the domestic security situation provides a fertile environment for attacks against 'Western' targets.	While law and order is generally satisfactory there are either armed groups in conflict either against each other, the government or against 'Western' targets.	In the absence of effective government control, armed groups operate almost unchecked, posing a severe threat to 'Western' or government targets. There is no law and order; conditions may verge on war or civil war. Foreign companies must strongly consider withdrawal.
Common Criminality (Security for Control Risks)	Assets and personnel are not at risk except from isolated incidents or petty crime. Levels of violent crime are low, the authorities provide effective security and there is virtually no political violence.	Assets are generally secure and the authorities provide adequate security. Companies and personnel face only infrequent exposure to violence from criminals; companies are unlikely to be systematically targeted for asset theft.	There is a reasonable possibility of common criminality problems affecting companies, but there is no sustained threat directed specifically against foreign companies. Targeted crime or violence poses some risk to foreign assets and personnel OR they are at reasonable risk from violence or unrest. State security is inadequate.	There is a probability that foreign companies will face problems from common criminals; special measures are required. Assets and personnel are at constant risk from violence or theft by state or non-state actors. State protection is very limited.	The severity of common criminality risks to assets or personnel is likely to make business operations untenable.
Travel (Travel for Control Risks)	It is possible to travel freely. Levels of violent crime are very low though isolated incidents may occur; the risk from petty crime is low.	Travellers face few problems. There is a possibility of disruption by state and non-state actors (such as demonstrations) though these pose little physical threat. Common-sense precautions will minimise the risk from crime. Any low-level armed conflict campaigns poses only incidental risk to travellers.	Travel is possible but may be subject to disruption by state or non-state actors; these may pose a physical risk. Levels of violent crime (including kidnapping) and/or armed conflict attacks pose some risk; caution is required.	Travel is difficult and requires planning. State or non-state actors are likely to disrupt travel; protection from the authorities is inadequate. Armed groups, political unrest or high levels of violent crime (including kidnapping) pose a serious risk, with foreign travellers likely to be targeted or at increased risk of incidental exposure to violence.	Travel is dangerous and should be avoided. The authorities are unable or unwilling to provide protection. High levels of violence from armed groups or common criminals persist, and foreign travellers will be specific targets.

Country Security Risk Evaluation

Enter name of Country :	Example States									
Enter number of Regions:	4									
Enter names of Regions:	City 'X'	City 'Y'	Hyrsklytu	1mhfrew						
Armed Conflicts	Risk Level High	Risk Level Low	Risk Level Extreme	Risk Level Medium	Risk Value	Risk Value	Risk Value	Risk Value	Risk Value	Risk Value
Enter Risk Values for Regions:	-15.0	-4	-20	-7.5						
Common Criminality Risk	Risk Level High	Risk Level Medium	Risk Level High	Risk Level Medium	Risk Value	Risk Value	Risk Value	Risk Value	Risk Value	Risk Value
Enter Risk Values for Regions:	-10.0	-5	-15.0	-9						
Travel Risk	Risk Level Medium	Risk Level Medium	Risk Level High	Risk Level Medium	Risk Value	Risk Value	Risk Value	Risk Value	Risk Value	Risk Value
Enter Risk Values for Regions:	-7.5	-9	-12.5	-5						
Region Security Risk Level	Risk Level High	Risk Level Medium	Risk Level High	Risk Level Medium	Risk Value	Risk Value	Risk Value	Risk Value	Risk Value	Risk Value
Enter Risk Values for Regions:	-10.8	-6	-15.8	-7.2						
Country Security Risk Level	Risk Level Medium Risk Value									

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Use the same templates



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SLB - Site Security Measures Inspection		TOTAL SCORE	3	Schlumberger	
ALL QUESTIONS MUST BE COMPLETED BEFORE A TOTAL SCORE COULD BE CALCULATED					
Armed Conflicts Checklist					
Q #	Question	Category	Choice	Answer	Remarks
Armed Conflicts Requirements					
203	Is there an airstrip/port close to the location?	CAT1	Y,N	Y	
215	Does the location have a controlled access point at the entrance?	CAT1	Y,N	Y	
216	Does the perimeter meet the required standards?	CAT1	Y,N	Y	
218	Does the gate meet the required standards?	CAT1	Y,N	Y	
219	Does the gate have an anti ramming bollard system in place?	CAT1	Y,N,N/A	Y	
221	Are all vehicles parked on the premises at least 30 meters away from the buildings?	CAT1	Y,N	Y	
222	Are all exterior windows fitted with blast film?	CAT1	Y,N	N	
227	How are personnel escorted or protected while travelling?	CAT1	Y,N	Y	
230	Does the location have watch towers?	CAT1	Y,N	Y	
231	Does the location have guard houses?	CAT1	Y,N	Y	
232	Is there a pedestrian gate reception area?	CAT1	Y,N	N	
233	Are all vehicles checked for bombs before allowed entrance?	CAT1	Y,N,N/A	Y	
234	Does the location have a mail explosives detector?	CAT1	Y,N	Y	
235	Does the location have security alarm?	CAT1	Y,N	Y	
236	Does the location have military/police protection?	CAT1	Y,N	Y	
271	Does the location have safe-havens?	CAT1	Y,N	Y	
274	Does the location have a security advisor?	CAT1	Y,N	Y	
Subtotal:				3	

Summary				
Section	Scores	CAT1	CAT2	CAT3
Armed Conflicts Requirements	3	88%	N/A	N/A
Lighting	3	100%	50%	N/A
Guards	3	100%	56%	N/A
Access Control	2	100%	75%	N/A
Site Security Officer	1	N/A	N/A	86%
Total	3	91%	68%	86%

The screenshot shows the 'SLB - Risk Level & Alert State Inspection' section with the following configuration:

- Risk Level:**
 - Insignificant Risk
 - Low Risk
 - Medium Risk
 - High Risk
 - Extreme Risk
- Alert State:**
 - Alert 0
 - Alert 1
 - Alert 2
 - Alert 3
 - Alert 4

The 'SLB - Site Security Measures Inspection' section shows the following configuration:

- Threat:**
 - Armed Conflicts
 - Criminality
- Place:**
 - Base/Facility/Tech Center
 - Rigs
 - Rig - Less Activities
 - Seismic Crews
 - Hotels
 - Guest Houses
 - Office High-Rise/Shared
 - Housing Compound
- Risk:**
 - Insignificant Risk
 - Low Risk
 - Medium Risk
 - High Risk
 - Extreme Risk
- Location / Situation:**
 - Urban
 - Mountain
 - Jungle
 - Desert
 - Rural
 - Marsh/Swamp
 - Off Shore

The screenshot shows a detailed checklist for 'Armed Conflicts - Base-Facility Tech Center - High Risk - Urban'. The checklist includes the following items:

- Armed Conflicts Requirements**
 - Is there an airstrip/port close to the location? (CAT1, Y/N)
 - All Expatriate personnel should be flown in and out of the country, region or location using the closest airport/trip (B) Be escorted to/from the airport to the base/location by the military or armed security guards. (C) Home country personnel are able to travel by other means of transportation (armed escort may be required).
 - International and domestic Airports should be: (A) Approved airfields by the international regulatory bodies (FAA or equivalent) (B) Have with class A,B or C runways (C) Must have at least 2.4 metre Chain linked fencing all around the airport. (D) Access control at all points of entry and exit (E) Controlled by the appropriate report authorities (F) Personal and baggage search facilities (G) Metal detectors (X-ray machines). Local Air Strips should comprise of: (A) 1000 metre compacted strip. (B) Capable of taking a Twin Otter or similar aircraft (C) Within 4 hours drive of the operators (to comply with medical evacuation procedures). (D) Night landing lights wherever possible. Helipad/zones (A) Must be clearly marked with an H. (B) Clear of all obstacles. (C) Clear approach and takeoff lines. (D) Windbreaks. (E) Night landing lights wherever possible.
 - Does the location have a controlled access point at the entrance? (CAT1, Y/N)
 - A controlled access point must include (A) Military protection with heavy machine guns outside the entrance to the location to respond to any attempted forced entry. (B) A checked obstacle made from Sand Bums, Fences, Barbed Wire, Hesco Baskets (Metal grided, sand filled Baskets) concrete (Jersey) or metal barriers and incorporate (C) Sleeping Policemen (Dumps under the road) (D) Local Guards to search all vehicles and log all vehicles entering the location.
 - This obstacle gives high level of protection and denies any perpetrator (suicide bomber) from driving straight through the gates at speed. It ensures that all vehicles have to slow down but forcing them to drive through a zigging obstacle and over bumps on the road.
 - Does the perimeter meet the required standards? (CAT1, Y/N)
 - Perimeter should consist of: (A) A 3.6 metre high dense masonry wall 190mm thickness or 150mm thick reinforced concrete. (B) This should be finished with a minimum of 500mm diameter pipe topping, razor wire or barbed tape concertina, providing a total height of approximately 4.1 metres above ground level.
 - If the Sites location/Base facility or Tech-centre is within a clients location, industrial park or shared facility (not under the full control of Schlumberger) and the perimeter is up to all the standards of this template then the perimeter security requirements are (A) an independent 2.4 metre Chain Link or Welded Mesh Fence is required all around to site to divide the Schlumberger facility from the other companies. (B) anti climb features such as decorative spikes or barbed wire should be put on top of the fence line, "unless it is illegal to do so by law". (C) Security guards for independent access control on all access gates in/out of the SLB facility. (D) Drop arm barrier and Chain Link/Welded mesh gates on all access point. If the shared facility is not up to the standards of this template then (A) All of the requirements must be in place around the perimeter of the Schlumberger facility as per the template. This type of perimeter is identified as "High Security Barrier" that is designed to offer the maximum deterrence that will delay a skilled and determined intruder who is well equipped and resourced. It is designed to provide a high degree of resistance to climbing and penetration. It will deflect any explosive device that may go off outside the location, make it difficult for an explosive charge to be thrown over the wall, prevent any perpetrator from seeing what is inside the location and give comfort to personnel inside the location. This type of walls may be supported by a selection of fence toppings and other perimeter security systems to provide enhanced physical resistance and early warning of breach attempts.

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Accurately Reducing Risk

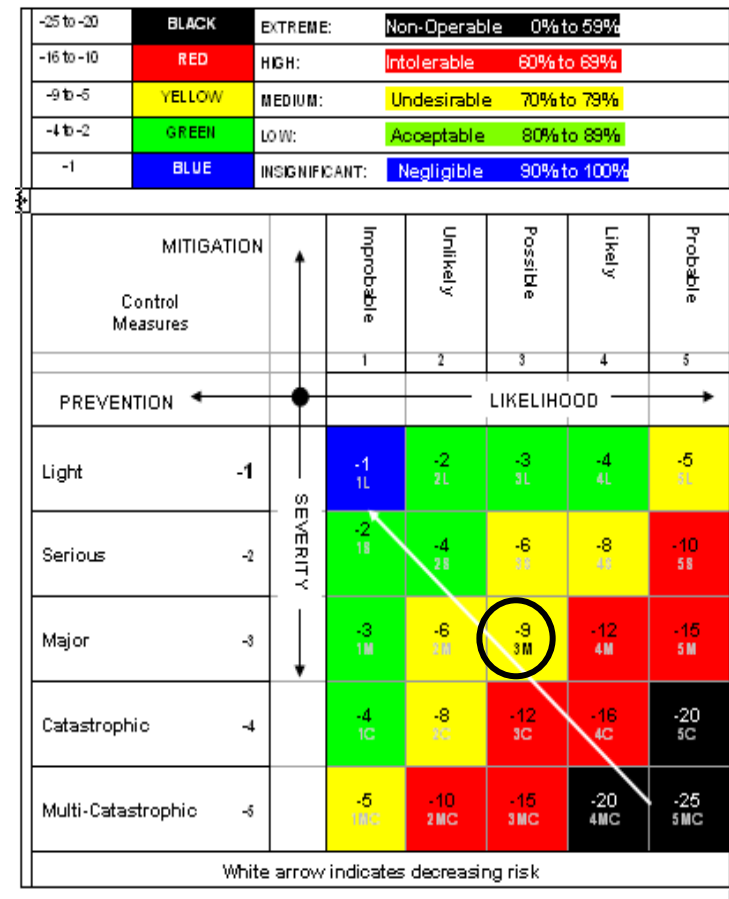


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Grade	Cat 1	Cat 2	Cat 3	Total
1	95%	85%	65%	87.0%
2	90%	75%	50%	78.8%
3	83%	60%	30%	67.0%
4	75%	50%	0%	55.0%
5	All not meeting above criteria			

Level	Risk Matrix	Security
1	Negligible	Insignificant
2	Acceptable	Low
3	Undesirable	Medium
4	Intolerable	High
5	Non-operable	Extreme

Mitigating Scoring Chart



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Conclusion



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