

Figure_05-01.eps

**Determine
Interface
Networks**

**Identify
Interface
Parties**

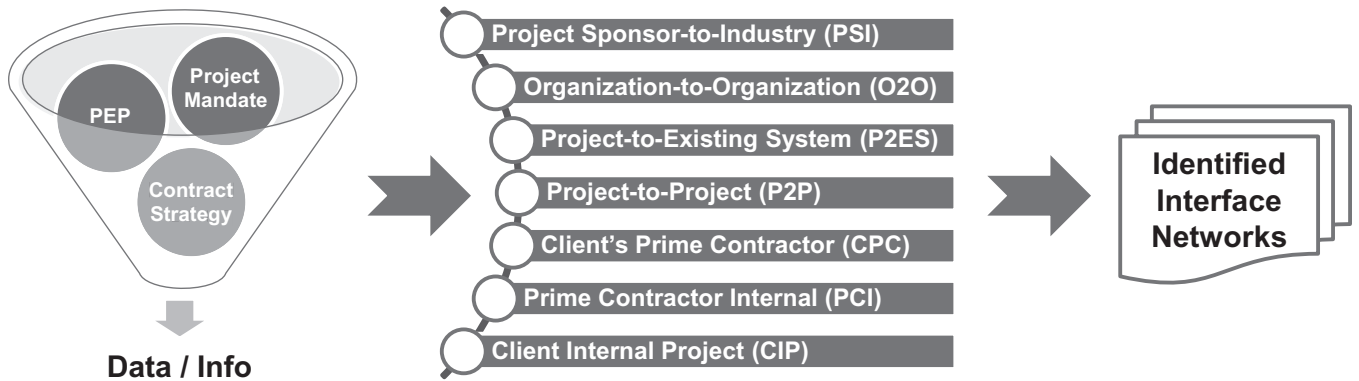
**Identify
Interface
Areas**

**Determine
Interface
Issues**

INITIATING

PLANNING

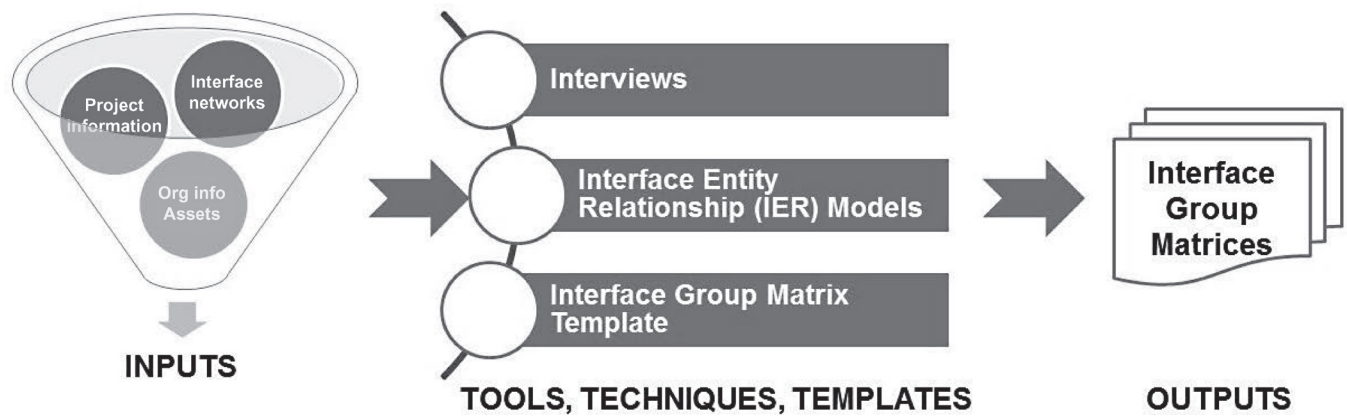
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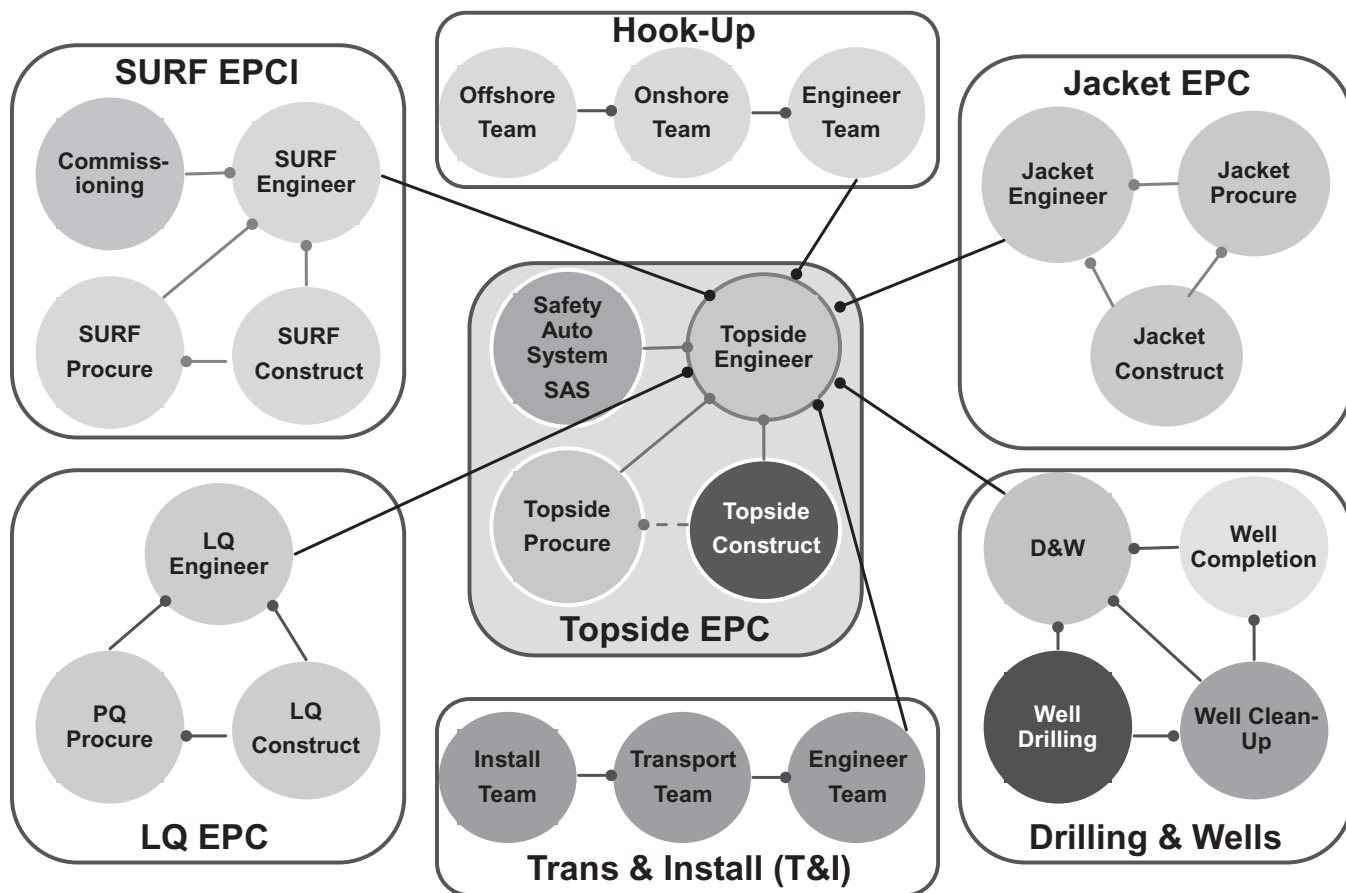
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DIAMOND PROJECT INTERFACE NETWORKS						
INTERFACE PARTIES	Client's Prime Contractor (CPC)	Client Internal Project (CIP)	Prime Contractor Internal (PCI)	Project-to-Project (P2P)	Organization-to-Organization (O2O)	Project Sponsor-to-Industry (PSI)
	Topside EPC	Topside EPC	Topside Engineering	Project Diamond (ABC)	ABC Corporation	Industry Safety (PSA)
	Jacket EPC	Jacket EPC	Topside Procurement	Project Sapphire (XYZ)	XYZ Corporation	Project Diamond (ABC)
	Transport & Install	Transport & Install	Topside Construction	Project Oil Pipe (POL)	POL Industries	Project Sapphire (XYZ)
	Living Quarters	Living Quarters	Topside SAS	Project Gas Pipe (PGP)	PGP Incorporated	Project Oil Pipe (POL)
	Hook-Up	Hook-Up				Project Gas Pipe (PGP)
	Drilling & Wells	Drilling & Wells				
	SURF	SURF				
		Operations				

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INTERFACE NETWORK - INTERFACE GROUPS					
Lead Interface Party →	LIP #1	LIP #2	LIP #3	LIP #4	LIP #5
Interface Party ↓					
Entity #1					
Entity #2	X				
Entity #3	X	X			
Entity #4	X		X		
Entity #5	X	X		X	

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PROJECT DIAMOND PRIME CONTRACTOR (CPC) INTERFACE NETWORK - INTERFACE GROUPS						
Lead Interface Party	Topside EPC	Jacket EPCI	SURF EPCI	Living Quarters EPC	T&I	Hook-Up
Interface Party ↓						
Jacket EPCI	X					
SURF EPCI	X	X				
Living Quarters EPC	X					
Trans & Install (T&I)	X		X	X		
Hook-Up	X	X	X	X	X	
Drilling & Wells	X	X				X

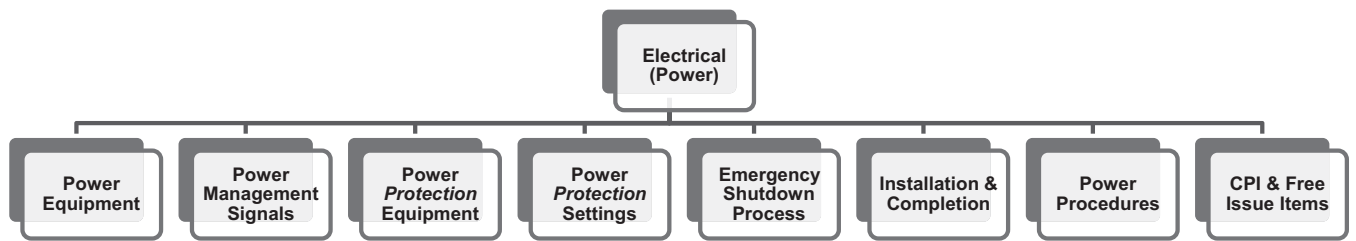
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Discipline Code	Discipline	System Code	System Title	Node Code	Node Title
A	Administration	10	Drilling	C31	Process Control - Wells
B	Procurement	27	Gas Transfer	C32	Process Control - Injection
C	Civil/architect	21	Crude Oil Transfer	C33	Process Control - Utilities
D	Drilling	29	Water Injection	C34	Process Control- HVAC
E	Electrical	30	Oil Pipeline	F21	Fire & Gas Control - Platform
F	Project control/cost/economy	32	Gas Pipeline	F22	Fire & Gas Control- Living Quarters
G	Geology	35	Chemical Injection	P41	Planned Shutdown - Wellhead
H	HVAC	89	Power	P42	Planned Shutdown - Utilities
I	Instrumentation/metering	14	Control and Monitor	E11	Emergency Shutdown- Platform
J	Marine operation	20	Hydrocarbon Separation	E12	Emergency Shutdown - Onshore Control
K	Inspection	70	Fire and Gas Detection	L01	Power Distr. & Control
L	Piping/layout	86	Telecommunication	V51	Process Control - Fuel & Water Pumps
M	Material technology	87	Automation	001	General

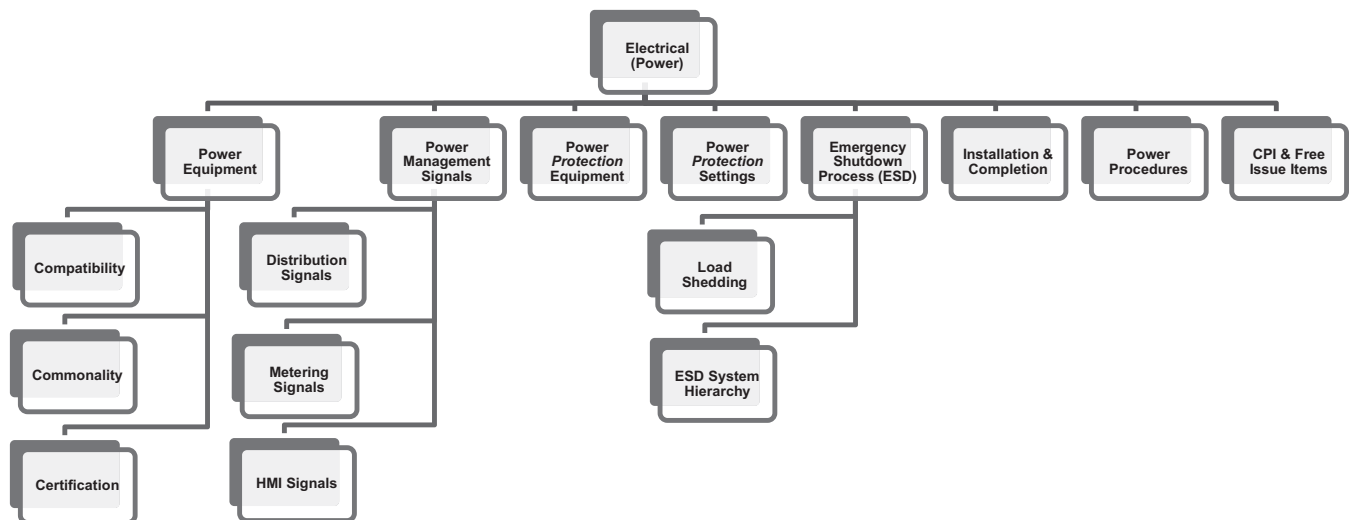
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Project Diamond Client's Prime Contractor (CPC) Interface Network		Project Diamond & Sapphire Project-to-Project (P2P) Interface Network				Project Diamond Topside Engineering Prime Contractor Internal (PCI) Interface Network	
Discipline Code	Discipline Title	System Code	System Title	Discipline Code	Discipline Title	Node Code	Node Title
A	Administration	10	Drilling	A	Administration	C31	Process Control - Wells
B	Procurement	27	Gas Transfer	B	Procurement	C32	Process Control - Injection
C	Civil/architect	21	Crude Oil Transfer	C	Civil/architect	C33	Process Control - Utilities
D	Drilling	29	Water Injection	D	Drilling	C34	Process Control - HVAC
E	Electrical	30	Oil Pipeline	E	Electrical	F21	Fire & Gas Control - Platform
F	Project control/cost/economy	32	Gas Pipeline	F	Project control/cost/economy	F22	Fire & Gas Control - Living Quarters
G	Geology	35	Chemical Injection	G	Geology	P41	Planned Shutdown - Wellhead
H	HVAC	89	Power	H	HVAC	P42	Planned Shutdown - Utilities
I	Instrumentation/metering	14	Control and Monitor	I	Instrumentation/metering	E11	Emergency Shutdown - Platform
J	Marine operation	20	Hydrocarbon Separation	J	Marine operation	E12	Emergency Shutdown - Onshore Control
K	Inspection	70	Fire and Gas Detection	K	Inspection	L01	Power Distr. & Control
L	Piping/layout	86	Telecommunication	L	Piping/layout	V51	Process Control - Fuel & Water Pumps
M	Material technology	87	Automation	M	Material technology	001	General
N	Structural	76	Emergency Shutdown	N	Structural		
O	Operation			O	Operation		
P	Process			P	Process		
Q	Quality management			Q	Quality management		
R	Mechanical			R	Mechanical		
S	Health, safety and environ (HSE)			S	Health, safety and environ (HSE)		
T	Telecommunication			T	Telecommunication		
U	Subsea			U	Subsea		
W	Weight control			W	Weight control		
X	Reservoir			X	Reservoir		
Y	Pipeline			Y	Pipeline		
Z	Multidiscipline			Z	Multidiscipline		

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Figure_05-12.eps

Element Name		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Element 1	1	1																			
Element 2	2		2																		
Element 3	3			3																	
Element 4	4				4																
Element 5	5					5															
Element 6	6						6														
Element 7	7	1	1	1	1	1		7	1	1	1	1	1	1		1					1
Element 8	8	1				1	1		8	1				1		1	1			1	1
Element 9	9	1					1			9						1	1	1	1	1	1
Element 10	10	1					1				10					1		1	1		1
Element 11	11	1						1				11				1					1
Element 12	12	1						1					12			1					1
Element 13	13	1				1	1		1				1	13		1					1
Element 14	14	1	1	1	1	1			1	1	1	1	1	1	14	1					1
Element 15	15															15					
Element 16	16																16				
Element 17	17																	17			
Element 18	18																		18		
Element 19	19																			19	
Element 20	20																				20

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