

INTERFACE MANAGEMENT

1.0 Scope

This section sets forth Esso's minimum requirements for managing the interfaces between and among contractors engaged by Esso to execute the Work.

2.0 General

2.1 "Interface" as defined in this Section can be either an organizational interface or a technical interface.

- Organizational interfaces occur when two or more organizations meet and need to describe who does what, how it is done and the communication flows;
- Technical interfaces are either 1) a physical interface typically defining how two areas must fit together (e.g. pipeline/pump station tie-in point); 2) a system interface which is a system that goes through several areas (e.g. emergency shutdown system); 3) an information interface which is information exchanged between two organizations for design or other work (e.g. finished grade elevations) or 4) a shared service wherein for example, during construction multiple contractors at a location may require a service such as catering, transportation, communications or utilities. Technical interfaces are commonly communicated using deliverables such as drawings, specifications and equipment datasheets.

2.2 Interfaces may be required between the following organizations, including their subcontractors, for execution of the Work. Any other contractor interfaces identified during the Project and required for the execution of the Work shall also be managed according to this Procedure.

- Field Facilities Contractor
- Floating Storage and Offloading (FSO) Facility Contractor
- Logistics Contractor(if applicable)
- Offshore Pipeline Contractor
- Onshore Pipeline Installation Contractor
- Pump Stations Contractor
- Road Upgrading Contractor
- Telecommunications Contractor
- Chad Project Management Team

2.3 Table 1, Interface Management Matrix describes where an interface is anticipated between contracts and which contractor will be the "Lead Contractor"

for that interface. The Lead Contractor is responsible for developing and administering the Interface Management Plan.

2.4 It is the philosophy of the Project, that to the extent possible, the interfaces between contractors be handled directly between themselves.

3.0 Contractor's Organization

Contractor shall identify a member of its team who shall have primary responsibility for interface management and shall be the contact for other contractors and for Esso regarding interface management issues. Said team member or designated representative shall be empowered by Contractor to make decisions and shall be readily available to meet with other contractors or Esso at the Project's various Work Sites.

4.0 Contractor's Duties

The principal duties for all contractors with respect to interface management on the Work includes:

- 4.1 Identifying interfaces with other contractors and providing a list of interfaces and schedule requirements to Lead Contractor within forty five (45) calendar days after date of Contract for incorporation into the Interface Management Plan per Section 5.0 of this procedure,
- 4.2 Incorporating interface coordination into work execution plans and recognizing time requirements for interfaces in schedules,
- 4.3 Participating in interface coordination meetings,
- 4.4 Reviewing, approving and complying with the Interface Management Plan,
- 4.5 Resolving interface problems,
- 4.6 Assuring interface issues do not result in changes to the scope, execution schedule or contractual obligations. Impacts or issues in conflict with these requirements must be approved by Esso in accordance with Article 7-Changes of the Principal Document,
- 4.7 Coordinating the participation of subcontractors, as required, in interface activities to execute the Work.

Additionally, the principal duties of the Lead Contractor in an interface relationship include the following:

- 4.8 Preparing, maintaining, updating and implementing an Interface Management Plan,
- 4.9 Obtaining approval of the Interface Management Plan by other contractors and Esso,
- 4.10 Reporting monthly the status of interface issues and activities,
- 4.11 Scheduling, conducting and documenting periodic interface coordination meetings,
- 4.12 Identifying issues or activities to Esso and other contractors which are exceptions to the Interface Management Plan.

5.0 Contractor's Interface Management Plan

The Lead Contractor in an interface relationship shall submit within sixty (60) calendar days after date of Contract a preliminary Interface Management Plan for Esso's approval and for approval of interfacing contractors.

Recognizing that contract awards will not necessarily coincide, Contractor shall update the Plan within sixty (60) calendar days after a new Contract is awarded to incorporate the contractor's identified interfaces, deliverables and schedule. The Lead Contractor shall resubmit the Plan to Esso for approval and the interfacing contractor for concurrence. The Interface Management Plan shall include the following:

- 5.1 Contractor Interface Matrix updated for any additional interfaces identified,
- 5.2 List of interfaces, deliverables schedule and information requirements,
- 5.3 Plans for Interface Coordination Meetings including schedules, locations, meeting documentation and documentation distribution, including Esso on the distribution,
- 5.4 Listing of Interface Management Contacts for each Contractor,
- 5.5 Conflict resolution plans,
- 5.6 Procedures and correspondence distribution matrix for the flow of interface communication between all contractors involved including that with Esso.

TABLE 1
Interface Management Matrix

The Contractor indicated at the intersection of two Contracts in the matrix below is the Lead Contractor for the interface.

CONTRACT	FF	On P/L	PS	Off P/L	FSO	Road Upgrading	Telecom	Logistics
Field Facilities (FF) ²		FF	FF	-	-	-	T	L
Onshore Pipeline(On P/L)	FF		PS	On P/L	-	Road	T	L
Pump Stations(PS) ²	FF	PS		-	-	-	T	L
Offshore Pipeline(Off P/L)	-	On P/L	-		FSO	-	T	L
FSO ²	-	-	-	FSO		-	T	L
Road Upgrading (Road)	-	Road	-	-	-		T	L
Telecommunications(T) ²	T	T	T	T	T	T		L/T ¹
Logistics	L	L	L	Off P/L	FSO	L	L/T ¹	

¹ Logistics Contractor is the Lead in the interface relationship with regard to Logistics services. Telecommunications Contractor is the Lead in the interface relationship with regard to Telecommunication services.

² Automation subcontractor interface issues will be incorporated into respective Contractor interface plans.