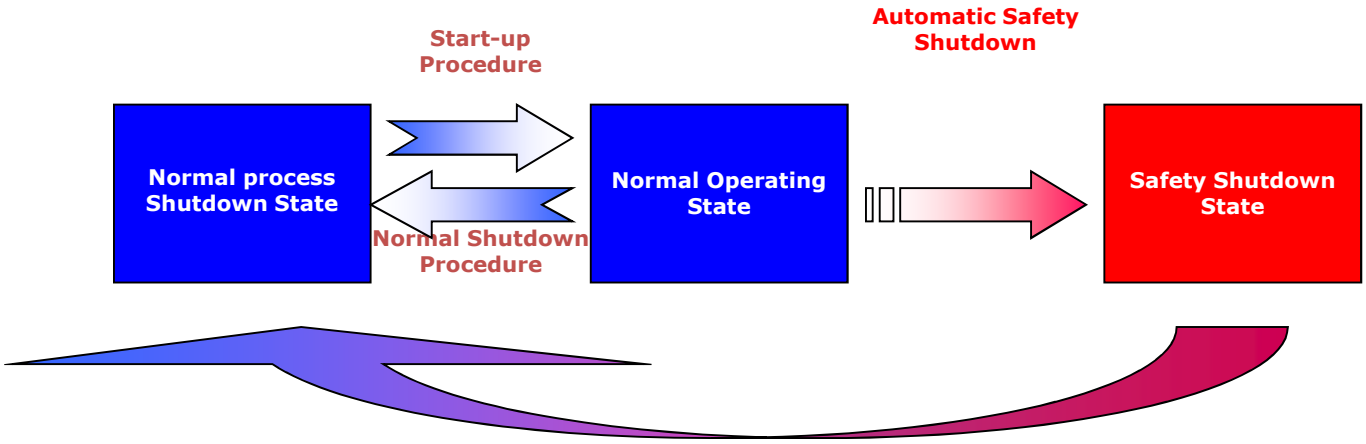
OPERGUID Methodology

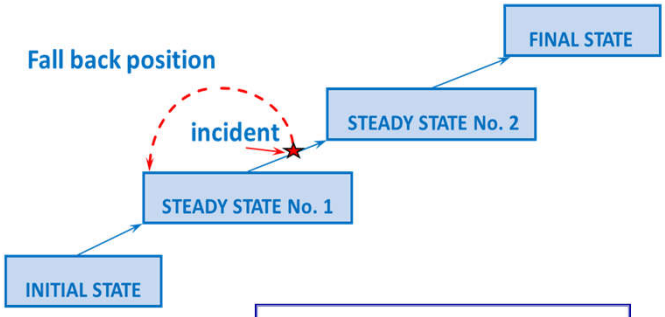
OPERGUID is a methodology developed by TOTAL for writing and implementing operating procedures. Its main objective is to increase the safety level of personnel and installations, by rationalizing operating procedures. It is based on the systematic description of progressive transitions, in secured sequential actions, from one steady state to another.

OPERGUID approach



The methodology has been developed to improve the management of complex operations. The main principle of OPERGUID is the Steady State.

The Steady State is a stable condition which in the course of any procedure (start-up, shutdown), define the necessary operating parameters to ensure the safety of the installation and its personnel.



OPERGUID
Methodology refreshing
course delivery

The methodology covers training to the methodology, procedures writing-up committee implementation, and validation process.

In addition to conventional format (electronic and hard copies), the procedures may be packaged into an interactive format.

ARAMIS

Aramis is licensed by Total for OPERGUID implementation, workshop facilitation and training

Additional information is added to the procedure, whenever necessary (pictures, sketches, lists,…)

Sequential and hierarchical numbering of operations, sub-operations and actions

Symbols are used according to the type of action.

All procedures starts with an initial state and ends with a final state.

BN-MLS-30-TE82-004005 (1.1) **VALVES POSITION** DOCUMENT LEVEL: 4

MLJ1 GAS LAUNCHER

See P&ID BN-01-C-02-C02-AA-6040

Valve Number	Description	Position	Actor(s)
SDV-0600	Production header shut-down valve	Closed	O+P
Valve C6-18	Isolation Valve Downstream of SDV-0600	Open	O
ESDV-0600	Export line to OPP emergency shut-down valve	Closed	O+P
Valve C6-20	MLJ2 incoming line isolation valve	Closed	O
ESDV-0601	Incoming line from MLJ2 emergency shut-down valve	Closed	O

OPP GAS RECEIVER

See P&ID BN-MLS-31-TECH-021050

	Position	Actor(s)
gency shut-down valve	Closed	O+P
gency shut-down valve	Closed	O+P
urisation valve	Closed	O+P
n of ESDV-364	Closed	O

TOTAL
BN-MLS-30-TE82-004005 (1.1)

OPERGUID™ PROCEDURE
MLJ1-OPP PIPELINE INITIAL START-UP
Actions Page

DATE: 27/11/15
REVISION: 02
PAGE: 6
DOCUMENT LEVEL: 2

NO.	OPERATIONS / ACTIONS	ACTORS
100	**PIPELINE START-UP PREPARATIONS**	
110	PRELIMINARY CHECKS	
	O Ensure all documents as stated as reference are available at the work place.	O
	O Ensure permission to start-up the system has been given.	S
	O re lined-up and operational.	O
	O ion and compressed air system at MLJ1 are in service.	O
	O n at MLJ1 is operational.	O
	O Ensure that MLJ1 is ready to export production fluid to OPP.	S
	O Ensure that OPP is ready to receive production fluid from MLJ1.	S
	O Ensure methanol injection system has been started and is injecting methanol to MLJ1 production header.	O/P
	O Ensure one of the wells (MLJ-106, MLJ-103 or MLJ-101) has been started and flowing to production header or Test Separator during black start.	O/P
120	VALVE LINE-UP	
	O Refer to attached Valves Position Tables.	O/P
200	**PIPELINE START-UP**	
	❑ Put PSLL-0600A on Maintenance By-pass (if necessary).	P
	❑ Reset SDV-0600 locally.	O
	❑ Open SDV-0600 from CCR.	P
	❑ Monitor increasing pressure on PG-0602.	O
	Note: Pressurisation of 18" MLJ1-OPP pipeline may take few days.	
	❑ Reset ESDV-0600 locally.	O
	❑ Open ESDV-0600 from CCR.	P
	❑ As soon as PSLL-302 has reset at 40 barg, remove by-pass and record it.	P
	❑ Monitor pressure on PG-0602 until it reaches 50 barg.	
	❑ Start the gas treatment system as per Section 1.2 in BN-MLS-30-TE82-004001.	

FINAL STATE
18" Pipeline is transferring production from MLJ1 to OPP.

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