



AMERICAN PETROLEUM INSTITUTE

API Recommended Practice 1FSC

Facilities Systems Completion Planning and Execution

FIRST EDITION | JULY 2013 | 11 PAGES | \$60.00 | PRODUCT NO.G1FSC01

This document applies to a wide variety of projects within the oil and gas industry excluding subsurface. Although intended for oil and gas industry, the process described in this document can be applied to other industries as well. It is intended that the processes and practices established herein can be adapted and applied from a single piece of tagged equipment to a complex petrochemical facility. The process described is intended to be applied at a system level.

The systems completion process is the sequential activities within a project that verify and prove the construction, installation, integration, testing, and preparation of systems have been completed as designed, and thus, the facility is ready for start-up and operations. The systems completion process is designed to help prepare and manage the transfer of care, custody, and control of facilities under construction through appropriate certification and documentation, such that the details of progress are evident.

For ordering information:

Online: www.api.org/pubs

Phone: 1-800-854-7179
(Toll-free in the U.S. and Canada)

(+1) 303-397-7056
(Local and International)

Fax: (+1) 303-397-2740

API members receive a 30% discount where applicable.

Contents

	Page
1 Scope	1
2 Terms, Definitions, and Abbreviations	1
2.1 Terms and Definitions	1
2.2 Abbreviations	3
3 Systems Completion Planning	4
3.1 General	4
3.2 Planning and Organization	4
4 Systems Completion Execution	5
4.1 General	5
4.2 Factory Acceptance Testing	5
4.3 Verification of Mechanical Completion	5
4.4 Pre-commissioning	6
4.5 Commissioning	7
4.6 Start-up	8
4.7 Performance Testing	8
4.8 Operations Assistance and Project Closeout	8
Annex A (informative) Turnover and Completions Package	9
Bibliography	11
Figure	
1 Systems Completion Execution Process	5
Table	
1 Systems Completion Planning and Organization Activities	4