

Design, Construction, Operation, Maintenance, and Inspection of Aviation Pre-Airfield Storage Terminals

API RECOMMENDED PRACTICE 1595
SECOND EDITION, OCTOBER 2012

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AMERICAN PETROLEUM INSTITUTE

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Downstream Segment

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Foreword

This recommended practice has been prepared by the API Aviation Technical Services Subcommittee with technical participation and feedback from other industry stakeholders, and is intended to provide guidance on the minimum equipment standards and operating procedures for the receipt, storage of aviation fuels at pre-airfield distribution terminals, located directly upstream of an airport, and its shipment directly via a grade dedicated pipeline, marine vessel (barge or ship) or road/rail transport to an airport.

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The guidance contained in this publication is primarily intended for civil aviation fuel handling operations. However, many of the practices and procedures are suitable for military pre-airfield storage terminals.

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Suggested revisions are invited and should be submitted to the Standards and Publications Department, API, 1220 L Street, NW, Washington, DC 20005, standards@api.org.

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1 Scope and Purpose

This recommended practice (RP) contains basic requirements for the design, construction, operation, and maintenance of pre-airfield storage terminals located directly upstream of the airport, hereafter referred to as “pre-airfield storage terminals.”

Mandatory requirements in this standard are designated by the word “shall.” Recommendations are designated by the word “should.” Optional items are designated by the word “may.” This standard incorporates by reference a number of other standards and recommended practices that need to be referred. The distinction between mandatory, recommended, and optional provisions in the referenced documents is not changed by nature of their reference in this standard.

The values stated for this standard are in U.S. Customary units.

2 References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

API Recommended Practice 652, *Lining of Aboveground Petroleum Storage Tank Bottoms*

API Recommended Practice 1543 *Documentation, Monitoring and Laboratory Testing of Aviation Fuel During Shipment from Refinery to Airport*

API Recommended Practice 2003, *Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents*

API Publication 2013, *Cleaning Marine Tanks in Flammable or Combustible Liquid Service*

API Standard 2610, *Design, Construction, Operation, Maintenance, and Inspection of Terminal and Tank Facilities*

EI HM 50¹, *Guidelines for the Cleaning of Tanks and Lines for Marine Tank Vessels Carrying Petroleum and Refined Products*

EI Standard 1542², *Identification Markings for Dedicated Aviation Fuel Manufacturing and Distribution Facilities, Airport Storage and Mobile Fuelling Equipment*

EI Specification 1581, *Specifications and Qualification Procedures for Aviation Jet Fuel Filter/Separators*

EI Specification 1583, *Specifications and Qualification Procedures for Aviation Fuel Filter Monitors with Absorbent Type Elements*

EI Specification 1590, *Specifications and Qualification Procedures for Aviation Fuel Microfilters*

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² Energy Institute, 61 New Cavendish Street, London W1G 7AR, UK, www.energyinst.org.uk.