

## Introduction

JIG Standards (JIG 1 Section 3.1.5, JIG 2 Section 3.5.1) require that hydrant pit valves and couplers shall meet the requirements of EI 1584.

The purpose of this Technical Bulletin is to make users aware of the 4th Edition of EI 1584, which was published in May 2017.

EI 1584 provides recommended minimum performance and mechanical specifications for the design of aviation fuel hydrant system pit valves and associated couplers. The publication also specifies requirements that need to be met to achieve universal interchangeability between components of various manufacturers and requirements for optional features which component manufacturers may be requested by users to provide.

## Changes in the 4<sup>th</sup> edition

The main revisions incorporated in the 4th Edition of EI 1584 include:

- Providing greater emphasis on the need for universal interchangeability between hydrant pit valve and hydrant pit coupler combinations between any manufacturers.
- Including the requirement for the hydrant pit valve manufacturer to provide detailed instructions for the mounting of the valve arrangement to hydrant riser flanges.
- Specifying the maximum permissible wear measured across any point on the diameter of the hydrant pit valve adaptor ring and the distance from the top seal face of the adaptor ring to the underside of the 45° angled face that a pit valve wear gauge shall be able to access.
- Clarifying that standard fittings are to be attached to the hydrant pit coupler during the shock resistance test.
- An expansion of the requirements for product quality assurance, inspection, acceptance and shipping.
- Deletion of Annex C (post-impact recommendations can now be found in EI 1560).
- Deletion of Annex E inspection and testing of hydrant pit valves.

**The qualification testing requirements that were included in the 3rd Edition of EI 1584 have not been significantly amended in the 4th Edition. Therefore, existing qualifications to 3rd Edition are recognized as also meeting the requirements of the 4th Edition. Equipment currently in service conforming to EI 1584 3rd Edition may continue to be used. 4<sup>th</sup> edition qualified pit valves and couplers may be used with existing 3<sup>rd</sup> edition qualified products.**

## Actions to Implement this Bulletin (See Table 1 for Action Type Codes)

Action Description	Action Type	Target Completion Date
New orders for hydrant pit valves and couplers shall specify EI 1584 4th Edition.  Equipment currently in service conforming to EI 1584 3rd Edition may continue to be used. 4th edition qualified pit valves and couplers may be used with existing 3rd edition qualified products.	JS	Immediate effect (Oct-2017)

**Table 1 Action Type Codes**

Action Types	JIG Bulletin Action Type Definition
<b>JS</b>	Change to JIG Standard – to be adopted by JV and/or Operator to continue to meet the JIG Standard(s) (JIG 1, 2, 4, EI/JIG 1530 and the JIG HSSE Management System).
<b>RP</b>	JIG Recommended Practice which the JV should consider adopting as its own practice (**).
<b>I</b>	Issued for information purposes only.
Note (**) - If the JV agreements require any of the JIG Standards and/or any of the JIG Common Processes as the governing operational standard then adoption of changes to applicable JIG Standards and/or Common Processes should not be considered optional by the JV Board.	

**Note:** This document is intended for the guidance of Members of JIG and companies affiliated with Members of JIG, and does not preclude the use of any other operating procedures, equipment or inspection procedures.

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