

Technical Newsletter



Subject: EI 1583 7th edition

Newsletter Number: 1/2017

On the 3rd of November 2017, the Energy Institute issued EI 1583 7th edition, which supersedes all earlier EI 1583 editions, with immediate effect.

The only change in the EI 1583 7th edition is the inclusion of a requirement that SAP is not detectable in fuel downstream of a filter monitor element under test, during Qualification Test 1 (media migration and starting differential pressure) and 10 (partial water immersion).

As no other changes have been made to the qualification testing requirements that were included in the 6th edition, existing qualifications to EI 1583 6th edition are recognised as also meeting the requirements of the 7th edition, if the ICP copper values obtained during both qualification test 1 and 10 were below the lower limit of detection for the method (≤ 50 ppb). This read-across from the 6th to 7th editions applies only to the specific model qualified.

In the absence of any public information on 7th edition qualified models, JIG requested (on behalf of the JIG user community) FAUDI Aviation, ParkerVelcon and PECOFacet to confirm which of their respective EI 1583 6th ed. qualified models meet the new EI 1583 7th ed. requirements. The request was sent on the same day EI 1583 7th edition was published and the feedback received from the three filter manufacturers by November the 9th, is summarised in Table 1 below:

Table 1: EI 1583 6th edition qualified models meeting the requirements of EI 1583 7th edition (as of November 9th, 2017)

	2"	6" Out to In	6" In to Out
FAUDI	M.2-XXX/6B	MO6.X-XXXX/6B	-
PARKER VELCON	2" CDF	None (Note1)	None (Note1)
PECO FACET	None (Note2)	None (Note2)	None (Note2)

Note1: Parker Velcon's plan is to apply to 6" models the technology used for the 2" elements and requalify the 6" models to EI 1583 7th ed., over the next 3-6 months.

Note2: Peco Facet's plan is to apply additional cleaning steps and changes to the trimming method and requalify 2" (FG-2xx-6) to EI 1583 7th edition, and in parallel work with media vendors regarding options that would not include any SAP media in the element.

Actions and next steps

JIG is preparing a Bulletin to outline the key changes in the EI 1583 7th edition and to inform operating locations of actions required. The Bulletin will be published shortly after the IATA Fuel Forum, that is taking place in Vancouver this week (Nov 14-16), in anticipation of further industry discussions and information/data made available during the forum.

In the meantime, purchases of new monitor elements shall be restricted to those qualified to EI 1583 Edition 7.