

EI 1535

Minimum criteria to determine acceptability  
of additives for use in multi-product pipelines  
co-transporting jet fuel

4th edition

EI 1535  
MINIMUM CRITERIA TO DETERMINE ACCEPTABILITY OF  
ADDITIVES FOR USE IN MULTI-PRODUCT PIPELINES  
CO-TRANSPORTING JET FUEL

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## FOREWORD

The first edition of this publication, developed in conjunction with the UK Petroleum Industry Association's Pipeline Additive Working Group, was published in November 1997. Experience gained by operators using the document led to improvements incorporated in the second edition in 2001 and the third edition in 2016.

This fourth edition has been prepared by the EI's Aviation Committee in conjunction with organisations having interests in the pipeline transfer of petroleum fuels and additive manufacturers.

The testing outlined in this publication is intended to provide risk management information for use in the assessment of new additives prior to their actual use in a pipeline. It describes the minimum information required from suppliers and shippers of additive-containing products in multi-product pipeline systems that co-transport jet fuel. It is intended to demonstrate to pipeline operators and other interested parties that these products will not subsequently adversely affect jet fuel, or have an adverse effect on pipeline operations as part of an ordered management of change process.

This publication is intended for use internationally by pipeline operators, fuel suppliers and additive companies involved in fuel supply through multi-product pipelines where jet fuel is co-transported with other distillate fuels, gasoline grades and clean fuel components.

The key changes included in this fourth edition are:

- An update to the procedure involving assessment of the impact on filter/water separator water removal performance of a candidate additive. This 'water mapping screening' provides a risk-managed approach to assessing additive suitability by reference to known additive impact on EI 1581 filter/water separator performance.
- Clarification that 'water mapping screening' is recommended but not mandatory if a pipeline trial (which is optional) has been undertaken.
- Clarification that the scope is limited to surfactant additives only.

For the purposes of demonstrating conformance to this publication the words 'shall', 'should' and 'may' are used to qualify certain requirements or actions. The specific meaning of these words is as follows:

- 'shall' is used when the provision is mandatory;
- 'should' is used when the provision is recommended as good practice, and
- 'may' is used where the provision is optional.

Companies/organisations wishing to claim compliance with this publication are required to meet all of the mandatory (i.e., 'shall') provisions of the relevant chapter(s). All companies/organisations are encouraged to follow the provisions that are recommended as good practice.

However, it should be noted that the adoption of this publication is voluntary.

Although it is anticipated that this publication will assist those involved in fuel supply through multi-product pipelines, the information contained in this publication is provided as guidance only. Whilst every reasonable care has been taken to ensure the accuracy of its contents, the EI and the technical representatives listed in the acknowledgements, cannot accept any responsibility for any action taken or not taken on the basis of this information. The EI shall not be liable to any person for any loss or damage which may arise from the use of any of the information contained in any of its publications.

Suggested revisions are invited and should be submitted to: [technical@energyinst.org](mailto:technical@energyinst.org).



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