Specifications and requirements for in-line inspection of pipelines (POF specifications)

Main changes in the 2016 version from the 2009 version

Chapter 1: Introduction
• No significant changes, some re-wording and re-placing of text

Chapter 2: Definitions and abbreviations
• “shall” and “should defined
• word “pig” deleted throughout the document, now “ILI tool”
• definitions modified and quite some added (e.g. Complex dent)
• definitions now also based on other documents, references added
• abbreviations added
• ILI contractor now requested to specify minimum dimensions of a detectable pinhole.
• POF diagram (Fig 2.2) was not changed!
• Figures/text with sizing requirements added for:
  Dent (including reporting requirements)
  Gouge (no figure, just wording how to report)
  Ovality (including reporting requirements)
  Buckle (no figure, just wording)
  Ripple/Wrinkle
  Roof topping/peaking
  Crack and crack-like
  Crack colonies
• Interaction rules: no “POF” rule given, references to other specifications
• ERF calculation now based on MAOP (was MOP)

Chapter 3: Health and safety
• No significant changes, some re-wording

Chapter 4: Tool specifications
Different set-up:
• Tool specifications now to be provided via appendix:
  Tool data sheets
  Tool performance specifications (MFL pinholes changed)
• Tool class history section (tool readiness) added
• POD90/95 introduced and advised
• Basis of (tool) performance requested (e.g. modelling, field verification)
• Access to supporting (tool) performance information (if requested)
• Tool performance verification might be requested
• Changes to tool specifications must to be reported if required
Chapter 5: Personnel qualification
• No significant changes.

Chapter 6: ILI preparation and contracting
New chapter:
• ILI preparation – reference to POF document “Guidance on achieving ILI First Run Success”
• Contracting: minimum items stated.

Chapter 7: Reporting
Various types of reports listed and described:
• 2 types of report mandatory:
  Operations report
  Final report
• Optional reports (on request of client):
  Preliminary report
  Raw data report
  Multiple run comparison report
  Experience report
  Additional reporting
• Contents of all reports described (but to be agreed)
• Immediate threat reporting requirement for ILI contractor.

Chapter 8: References
• List of references added

Appendix
• Appendix 1 (updated)
  ILI companies that provided comments to the draft version of these specifications
• Appendix 2 (updated)
  Guideline to clients for defining specific details of the POF specifications
• Appendix 3 (updated)
  Report structure, terminology and acronyms
• Appendix 4 (new)
  Detailed tool data sheet requirements
• Appendix 5 (new)
  Tool technology performance specifications:
    - MFL separated from other technologies (pinholes POD changed)
    - Other technologies do not use metal loss categories
• Appendix 6 (updated):
Typical example of Pipe tally

- Appendix 7 (updated):
  Typical example List of anomalies
- Appendix 8 (updated):
  Typical example List of clusters
- Appendix 9 (new):
  Typical example Run comparison overview