

Interoperability SIG

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Objectives

- To document and publicise interoperability experience
- To provide advice and materials for interoperability testing and carry out limited tests
- To encourage the production of CO-compliant components

Interoperability Testing

- **Unit Parameters used successfully in interoperable CO components in released versions of Aspen Plus and HYSYS.**
- **Confirms that the CO standard supports this behaviour satisfactorily.**
- **Confirms that CO Unit components can now be used in applications that require access to unit parameters, e.g. optimisation and custom reporting.**
- **Work by BP and AspenTech.**

Interoperability Testing (cont)

- **Upgraded Thermo socket in gPROMS shown to be compatible with the latest version of the standard.**
- **CO-compliant Unit component successfully generated by go:CAPE-OPEN application from PSE.**
- **Work by ATOFINA, PSE and AspenTech.**

Other Developments

- ❑ *Multiflash CO Physical Property System (Infochem)*
- ❑ *CPA Equation of State (DTU, Lyngby)*
- ❑ *BP In-house CO Thermo Property Package*
- ❑ *HTRI tubular heat exchanger package Xist*
- ❑ *AixCAPE Shortcut Distillation Unit Operation*
- ❑ *ChemSep Separation Process Modelling application (Clarkson University)*
- ❑ *Fluent CO Unit Operation (press release with AspenTech)*

Lessons Learnt

- 20 lessons have been identified from this work. They are listed in the SIG 2003 report on the CO-LaN web site.

- The lessons are relevant to:
 - ⇒ Interoperability SIG; Thermo SIG; Unit SIG; Component developers; Property package developers; PME vendors

- There is an issue about the best way to make this information available.

Forward Plan

- Continue to monitor lessons learnt in interoperability developments.
- Promote self-categorisation of component compliance by providing interface monitoring tools and updated testers.
- Continue with limited interoperability testing, e.g. with PRO II.