

EPC Process Safety Training Modules – July 2013

Concept presented to EPC by Knowledge Management Subcommittee, March 7, 2013. Consolidated feedback from the meeting:

- Concept supported by Committee. Endorsed development/presentation of specific proposal for consideration.
- Proposal must address the following concerns and suggestions:
 - *Concern:* Risk setting precedent of paying authors for developing EPC technical content – authors could ask for compensation in the future.
 - *Concern:* Need to avoid specifying best practices or guidelines. Committee cannot risk becoming a source of standards.
 - *Concern:* Avoid dependence on employers of EPC members. Content must be non-confidential and associated with the employer of any EPC member.
 - *Suggestion:* Get input from Safety Subcommittee on priority of topics and potential content experts
 - *Suggestion:* Confirm that AIChE is agreeable with the approach, having EPC develop training content.
 - *Suggestion:* Consider using universities rather than industrial consultants

Proposal:

Sponsorship / Governance	<ul style="list-style-type: none">• Ethylene Producers' Committee acts as approver and sponsor of the activity• Knowledge Management Subcommittee leads the activity following endorsement of Proposal• Committee endorsement is required prior to:
--------------------------	---

Greg Yeo / Sanjeev Kapur for the KM Subcommittee

Rev 071713

	<ul style="list-style-type: none"> • Development of each new module. • Publication of a module • Expenditure of funds • Safety Subcommittee endorsement is required for: <ul style="list-style-type: none"> • Setting priorities for technical topics • Selection of consultants • Review of technical deliverables
Structure	<ul style="list-style-type: none"> • Individual modules, each focused on an olefins specific process safety hazard
Format of Modules	<ul style="list-style-type: none"> • Two tier training package: <ul style="list-style-type: none"> ◦ Introductory training module suitable for initial or refresher training: PowerPoint with notes format, containing Introduction, Examples, Fundamental Principles, Commonly Practiced Approaches to Hazard Management, References ◦ White Paper – if existing white paper is not already available as reference • Consider alternate media for Introductory Training module, e.g. multimedia, Kahn Academy
Authors	<ul style="list-style-type: none"> • Independent, recognized experts with industrial experience specific to the topic. • Industry or academic consultants, nominated by Knowledge Management committee, reviewed with Safety Subcommittee, and approved by Committee • No proprietary content. No confidential technical content from member companies. Responsibility / liability language to be developed. • Copyright held by author, with permission granted for

	Committee to distribute
Compensation	<ul style="list-style-type: none"> • Request that experts donate their time and expertise • Committee offers to reimburse for out of pocket expenses
Hosting of technical deliverables	<ul style="list-style-type: none"> • Proposal to be developed by Knowledge Management Subcommittee. Lead options are EPC Omnipress website and AIChE/partner training area (ChemE on demand)
Partnerships / Alliances	<ul style="list-style-type: none"> • Start as an EPC program • Knowledge Management Subcommittee continue to discuss opportunities for partnering with others (e.g. AIChE) if it believes partnership would bring added value. • Proposals for partnership require review and approval of the Committee.