

Agenda Item 8 – ECRI Work Fronts Up-Date

ECRI Work Fronts and Focus Areas – Up-Date

- Tony Winstanley
- Rod Kyle

Agenda Item 8 – ECRI Work Fronts Up-Date

Seven (7) Core Work Fronts and Initiatives as Focus Areas :

Best Practices
&
Procedures

Education &
Training
Programme

Client /
Industry
Outreach

Special
Interest
Groups

Secondary
Stakeholder
Engagement

Risk Based
Review /
Audit

Research
&
Databank

Agenda Item 8 - ECRI Work Fronts Up-Date Practices and Procedures

- **YTD, P&P's re-indexed to better reflect contents and provide better basis for future development**
- **New Group headings such as:-**
 - **Enterprise and Portfolio** - **Project Execution**
 - **Technology**
- **Slow response from Sponsors for Team nominations is disappointing. Will affect ability to meet this years programme**
- **Procedure for preparation of P&P's re-issued. Hopefully will alleviate fears about time consuming process**
- **Will continue practice of issuing Booklet and CD at June Sponsor Meetings**

Agenda Item 8 - ECRI Work Fronts Up-Date Practices and Procedures

- **Following Sponsor feedback, the following programme is proposed for completion in 2010:**
 - **Novation**
 - **Precommissioning thru to Beneficial Operation**
 - **PPP/BOOT/BOO**
 - **Gate Reviews**
 - **Carbon Footprint-Environmental Issues**
 - **Real Time Capture of Lessons Learned**
 - **Interface Management**
 - **Improving Project Team Risk Awareness**
 - **Corporate Corruption / Code of Conduct**
 - **Claims-Essential Elements of Claims Management**
 - **Technology Risks**

Agenda Item 8 - ECRI Work Fronts Up-Date Practices and Procedures

➤ **P&P's Completed to Date :**

- Novation
- Gate Reviews

➤ **P&P's Under Preparation :**

- Improving Project Team Risk Awareness
- Precommissioning thru to Beneficial Operation
- Technology Risks

Agenda Item 8 – ECRI Work Fronts Up-Date Special Interest Groups

Special Interest Groups :

- **Reflects Goal of Adding Value to each Sponsor**
- **Intended to cover areas which do not necessarily apply to ECRI’s Sponsors as a whole**
- **Round Table pilot session held in Houston on “Mega Projects – Risks and Opportunities “**
 - 10 Sponsoring Companies attended with 20 participants**
- **Further topics to be considered :**
 - Power Projects -- Civil, Building and Infrastructure**

Agenda Item 8 - ECRI Work fronts Up-Date Education and Training Programme

- 
- **Developed programme of courses in 'Practical Risk Management' for Sponsors:**
 - Induction course
 - Advanced course
 - **Established relationships with Five Universities in:**
 - Europe – Delft University, Netherlands ?
 - USA – University of Texas, Austin, TX
 - RSA – Stellenbosch University, RSA
 - UK – Queen Mary College, University of London, England
 - India – Indian Institute of Technology, Mumbai
 - **Programme rolled-out:**
 - Pilot Induction in December 2009

Agenda Item 8 – ECRI Work fronts Up-Date Concept and Attendees

- **Intended to offer both the Induction Course and the Advanced Course twice a year at each academic institution. Each course will be over two days.**
- **Class size will be limited to approx. 36 - 40 max.**
- **Induction Course— Not specifically aimed at practising risk professionals, generalists and new hires across all disciplines with emphasis on high potentials and younger members of Sponsors' organizations.**
- **Advanced Course—Project / Construction Managers, Risk Managers, Project Engineers, Commercial / Sales and Marketing , Contract Specialists including in-house lawyers, Finance / Insurance / Bonding personnel, Project Services / Controls, Procurement and Functional / Discipline Managers.**

Agenda Item 8 – ECRI Work Fronts Up-Date Induction Course Status

- **Induction Course Pilot held at NPCC, Abu Dhabi**
- **Incorporating Lessons Learned, Course then rolled out at :**
 - **QMC, London**
 - **Stellenbosch University, South Africa**
- **Induction Course Plan for balance of 2010 :**
 - **University of Texas, Austin, Tx. USA – 29/30th. June**
 - **India – November – Date to be set**
- **Individual company Courses under consideration**
- **Excellent feedback from Attendees**

Agenda Item 8 – ECRI Work fronts Up-Date Advanced Course Status

- **Collecting feedback from all Induction Courses**
- **Consulting with Sponsors regarding value-added content**
- **Planned for completion by end of the year for piloting and roll out across all geographic regions in 2011**
- **Similar to Induction, Advanced Course will be over 2 Days comprising mix of lecture / presentations with Q&A and Case Studies with Group feedback**

Agenda Item 8 – ECRI Work Fronts Up-Date Distinctive Characteristics of ECRI Programme

- **Completely Engineering & Construction Orientated**
- **Only available to ECRI Sponsors Personnel**
- **Practical rather than Theoretical**
- **Linked to the Six (6) Phases of Project Implementation as defined by ECRI**
- **Offered in conjunction with and participation by, World-Class Academic Institutions at Locations to suit Sponsors**
- **Substantially taught by E&C Professionals from ECRI and Current Practitioners from Sponsors**
- **Offered at no charge for Sponsors**
- **Future Certification and Accreditation with linkage to Sponsors HR / Personnel Development Programmes**

Agenda Item 8 – ECRI Work Fronts Up-Date The Induction Course Benefits

- **A basic awareness of risk in the global engineering & construction industry, both project and enterprise;**
- **An understanding of the paramount importance of a formalized and integrated risk management process including the key issues to be addressed by such process;**
- **A basic understanding of the methodology of risk management application and the available risk management tools;**
- **A basic understanding of the practice of risk management through each of the six stages of a project;**
- **An awareness of the role ECRI can play in all of the foregoing through the ECRI Practices and Procedures.**

Agenda Item 8 – ECRI Work Fronts Up-Date The Advanced Course Benefits

- **A more detailed understanding of all the issues and content addressed in the Induction Course;**
- **An understanding of the current, state of the art and best practices risk management procedures, programmes and tools being utilized by world class E&C companies;**
- **An understanding of the practical application of all of the foregoing through cases studies in an inter-active work environment;**
- **An understanding of the risk-related roles played in project implementation by secondary stakeholders from the legal, insurance, bonding and financial communities.**

Agenda Item 8 – ECRI Work Fronts Up-Date

The Six Stages of a Project

- **Both the induction and advanced courses are designed around the Six Stages of Project Implementation:**
 - 1. Invitation to Bid, Proposal Preparation and Submission**
 - 2. Contract Negotiation and Award**
 - 3. Project EPC / EPCM Implementation and Administration through Mechanical Completion**
 - 4. Project Pre-commissioning, Commissioning, Start-Up, Initial Operation and Performance Demonstration**
 - 5. Project Close-Out and Warranty Administration**
 - 6. Change Management throughout the Project cycle**