INCOSE MBSE

- Attendees
  - Ivan McTaggart - AWE
  - Robin Niclklass - AWE
  - Joh Holt - Atego
  - Ian Poynter - indepedent
  - Rob Rolls Royce
  - Sue Dale - Thales
  - Steve Lillyman - Purple Systems
  - Faelicity Fashade - Raytheon
  - Andrew Farncombe - INCOSE
  - Mike Brownsword - Atkins
  - Tom Riley - Thales
  - James Towers - Object Flow
- previous actions
  - Survey
    - Still poor take up
    - Maybe technical issues _ Jon Holt
  - Patterns
    - JH & SP working on it
    - Fran Concentrate on Org patterns rarher than product patterns
      - Both ?? yes
      - Framework for patterns ?? - yes Jon Holt to present
  - ASEC paper
    - MBSE defintions
    - Universities
    - Google searches
    - INCOSE SE meeting in bornermouth monday/Tuesday
    - JH note: online submission to journals don't have keyword such as SE, SOS UML, SysML etc.
      - We should try to influence IEEE in getting the keyword changed - all taken an action
      - JH chat to MIke henshaw who has infleuence with IEEE etc
  - SL has made contact with international/INCOSE US MBSE group
    - Felicity has had contact INCOSE US
      - MBSE metrics a hot topic
      - she will act as another conduit for mateial from US
  - James to present to Railinterest group in London
    - any myths to debunk ?
    - AF take up large in Rail - JT growing but they don't call MBSE
    - Tuesday 8th October in Hammesmith
- Patterns seed work to be compared with JH ontiogy and to be reviewed next meeting
- meeting content
  - JH presentation
    - Patterns
      - JH definntion
      - Indentified 12 ish groups
      - Agian used SysM but can be dome using other models
      - contextual//understanding what and when to use patterns
      - Architecture - what views are required
      - based on experience of the three amigos
      - Framework is an amalugmation of patterns in context
      - JH does not believe it is clear cut as product or process pattern
    - Ontology
      - available to MBSE WG
      - Method
        - Collect meaning & key concepts
          - Understanding differing indursty views
          - best practice
            - 15288
            - Zachman
            - INCOSE HAndbook
          - Look at Academic papers
        - MBSE Ontology expressed In SystML but doesn't need to be
        - Model each source definiton then cohere them
      - SeBoK was referenced but can be used a source of precise definition
      - Covers
        - Competeces
        - Lifecycles
        - requirements
        - Architecture
      - Contact JH for details source documentation etc
      - Validation
        - Mutiple source documents used
        - Rob it is a shock to people when they see it you have to let go of the owenership
        - the question is always is it useful?
        - It is only vesion If the truth but it is consistent
      - how do I identify errors?
        - read the document
          - relationships made up of
          - related to
  - Rob has a paper on MBSE implementation at Rolls Royce for ASEC
  - Defintions
    - Do we need them?
    - Root defintion from each person? might be similarities
    - JH has source information for defintions available
    - Felcity has some defintions feon INCOSE availablet
    - SeBoK also has a lot of defniotns
    - key in context
      - JH SH map to tailor message
      - Z9 defintion is OK but not that useful
    - JT presentation thoiughts MBSE & Models
      - Types
        - Static
          - UML/SysML
          - Analysis
          - Specification
          - Pre-defined
          - Expected results?
        - Dynamic (simulation)
      - Key features
        - Langauge
        - Felixible "rules" - prinicples
        - "Kit Bag" of lanagauges to choose from
      - MBSE requires a mindset
- Apologees
- AOB
  - IINCOSE West Midlands tomorrow night
  - Meeting before ASEC?? yes if you can
  - e-mall meeting in Oct and main meeting in Jan