



ASCE User Forum No. 4  
Improvements in reporting in ASCE 3.5 Enterprise

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# Overview

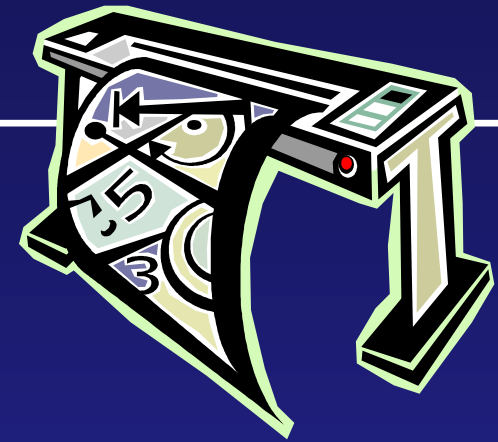
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- Lessons learnt – a story
- Printing and reporting options available in ASCE
- Developments in ASCE one click export
- Working with your in-house templates
- Demo
- How to get it



# A story

- History of layout and printing in ASCE
- The romanticism of the paperless office



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# A key distinction

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- Between the safety case and the safety case report
  - often these terms are incorrectly conflated
- Safety case is the living interlinked body of argument and evidence supporting safety claims about the system
- The safety case report is but one publication from living safety case
  - e.g. to support requirements in a domain standard (e.g. JSPs)
  - into one particular format (e.g. table of contents)
- ASCE is primarily for safety case editing, but has tools to support reporting

# Printing options available in ASCE (simple)

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- Printing the graphics
  - Native printing from ASCE
    - Main view and/or user views
    - Works with most printers
  - Printing via clipboard/Excel
    - Works with wider range of printers
- Printing individual node content
- Printing the table view
  - Directly or via export to CSV



# Advanced printing and reporting

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- HTML Export
  - Pure Web based safety case
  - Use with ASCE Browser
    - New in version 3.5 (clickable maps for all userview images)
- Linear export – import using Word template
  - Export paths define nodes to be exported and their ordering
    - Executive summary
    - Full report
    - JSP520 view
    - Etc
- User view images – included in output reports
- One click export
  - Builds on linear export



# One click export plugin

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- The best way to publish safety case reports directly from ASCE
- Key area of added benefit for ASCE Enterprise customers
- Ambition for one click export plugin:
  - Go directly and fluidly from ASCE into polished Word document
  - Resolve hyperlinks as Word cross references
  - Be customisable to house styles
  - Minimise subsequent editing in Word



# Issues with version previously available

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- 0.1.11 - available on website for download
  - Heading styles picked up from MS template (\*.dot)
  - Automatic Table of contents
  - Cross references resolved
- Limitations
  - Boiler plate content from template is missing
    - Configuration data, Headers/footers, Disclaimer, Etc...
  - Images not always resized to fit page
    - Works for Word97, but not Word2003
  - Extra processing needed
    - House template may expect style called "body text" not "normal"



# Updates with 3.5

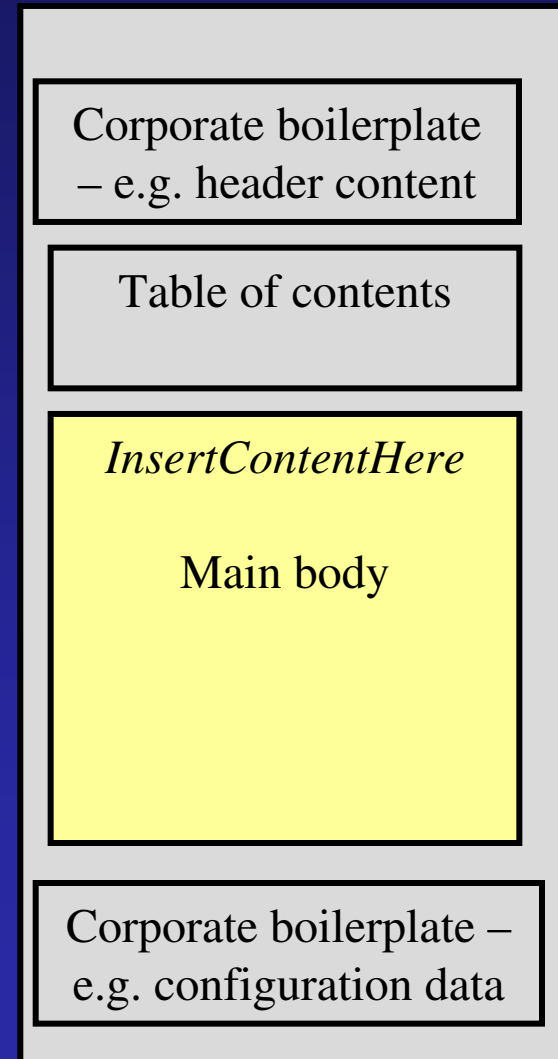
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- Shipped version 0.1.12
  - Bug fixes only...
  - Fix for image resizing to fit page
- Latest version 0.1.15
  - Available to all ASCE Enterprise customers
    - Download from customers area on website
  - New features and active development



# One click export - 0.1.15

- Content now inserted *into* house template
  - Based on optional Bookmark in template *InsertContentHere*
  - Otherwise inserted at end of document (graceful degradation)
- Post processing supported
  - *ASCEPostProcessingMacro* if defined in template (graceful degradation)
  - Typically to convert styles, and to run any corporate update macros



# Demo

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- Live demo



# Customisation costs

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- Usually time needed to tweak in-house templates to work with ASCE is very small:
  - (Optional) Add *InsertContentHere* bookmark - 15 minutes?
  - (Optional) Write post-processing macro to
    - convert styles if necessary - 30 minutes?
    - Run some in-house macro – 10 minutes?
- Effort needed depends on degree to which house template deviates from “standard”
  - Number of in-house styles, amount of customisation used
  - e.g. “FooCorpHeading1” rather than “Heading 1” etc
- Once done, never need to do it again
- Adelard can assist if required



# Availability of 0.1.15 and beyond

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- One click export is an area of significant added value for ASCE Enterprise customers
  - So latest version no longer given away with installer and ASCE evaluation version
  - Available to all ASCE Enterprise customers at no extra cost

<http://www.adelard.com/web/hnav/ASCE/customers-only>

- Contact Anne Taylor <afnt@adelard.com> for username and password



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- *The end*

