



**Steel Session I- Development Roadmap**

---

**2007 North American User Meeting**

**Development Roadmap**

---

Breakout Session I - Steel

---

---

---

---

---

---

---

---

**Development process in Tekla**

- Look at the Development process in Tekla and how that translates into the Version releases
  - Development Cycle
  - Road mapping process, RMT, Services
  - Specifications
  - Development, Documentation, Localization

---

---

---

---

---

---

---

---

---

**Development process in Tekla**

- (con't)
  - Functional Testing, Alpha Testing
  - Beta Testing
  - Release Process
  - Development Cycle with time

---

---

---

---

---

---

---

---

---

## 2 Releases a Year

- Feedback from market
  - Support main release more effectively
  - More SR's and progress releases
- 

---

---

---

---

---

---

---

---

## Long term goals of Product Dev't

- Improved Productivity
  - Extend capabilities
  - Extend range – misc, offshore, metal framing, PEB, etc, etc.
  - Usability – easier to learn and use
  - Improved stability
  - More efficient, growing development output
- 

---

---

---

---

---

---

---

---

## Larger items on Roadmap

- Technology – Custom Drawings, User Interface, .Net, etc.
  - Functionality – Welding, Unfolding, etc.
  - Application – Miscellaneous, Offshore, etc.
- 

---

---

---

---

---

---

---

---

**Preview some V14 content**

- Exaggerated dimensions
- Working point dimensions
- Intelligent Drawings
- Etc.
- Etc.

---

---

---

---

---

---

---

---

---



**Steel Session II- Filters and General Arrangement Drawings**

---

**2007 North American User Meeting**

## New Filters & GA Drawing Enhancements

Breakout Session II - Steel

---

---

---

---

---

---

---

---

### New Filters

- What did we do?
- Why did we do it?
- How does it work?
  - Old Method vs. New Method
- View Filtering examples
  - Simple
  - Combined
  - Using And / Or Statements

---

---

---

---

---

---

---

---

### New Filters

- Object Group – view filter saving
- File Extensions v12 vs v13
- Select Filtering examples

---

---

---

---

---

---

---

---

## Filtering Notes

- More information about the new filters is located in the v12.1 release notes and in the v13 Learning Center – What's New. The Learning Center is located in the v13 Help Menu.
- To use the **Select filter** dialog box which was available in previous versions, set the variable `XS_USE_OLD_FILTERING` to TRUE. The default is FALSE.
- Using the variable `XS_USE_OLD_FILTERING` affects only the appearance of the dialog box. Internally Tekla Structures uses the new filters in all model filtering.

---

---

---

---

---

---

---

---

---

## Filtering Notes

- Always use 'Select Date' when a date is required rather than typing to avoid syntax errors
- Experiment with simple statements first.
- Take advantage of default *Object Group – select filter* rules setup by Tekla (e.g. Beam\_filter)
- Contact Technical Support with any questions

---

---

---

---

---

---

---

---

---

## GA Dimensioning

- Formatting
- Creating
- Positioning
- Object Group Dimensioning rules
- In conjunction with Drawing Classifiers

---

---

---

---

---

---

---

---

---



**Steel Session III- Modeling for Miscellaneous Steel**

---

**2007 North American User Meeting**

## Modeling for Miscellaneous Steel

Breakout Session III - Steel

---

---

---

---

---

---

---

---

## Stairs

- Examining Stairs Components and highlighting improvements to functionality
  - Stairs (S71)
  - Z-Pan (S74)
- Connecting Stairs
  - Updates and improvements to Stairs Detail (1043)

---

---

---

---

---

---

---

---

## Handrails

- Industrial and Architectural Styles
- Using the Stanchions Component (S76)
- Combining it with the Railings Component (S77)
- Standard Setups and Customizing
- Common Pitfalls and Special Tricks
- Linking Attribute Files Together

---

---

---

---

---

---

---

---

### More Stairs and Handrails

- Kick Plates
- Grab Rails
- Pickets

---

---

---

---

---

---

---

---

---

### Other Miscellaneous Modeling

- Ladders
- Pour Stops
- Hangers / Brick Supports
- Grating and Checkered plate flooring
- Handling Fittings / Bought in Items

---

---

---

---

---

---

---

---

---

### Review

- Helpful Tips
- Practical Advice
- Q & A

---

---

---

---

---

---

---

---

---



**Steel Session IV- Drawings for Miscellaneous Steel**

---

**2007 North American User Meeting**

## Drawings for Miscellaneous Steel

Breakout Session IV - Steel

---

---

---

---

---

---

---

---

### Miscellaneous Steel Drawings

- Stair stringer-field welded pans
  - Single stair stringer – simple dimension setup.
  - Stair pan drawings.
- Drawings for a shop assembled pan stair
  - Using UDA in model for Pan treads.
  - Set up your BOM.
  - Pull details onto a second detail sheet.
  - Dimensioning for shop needs.
  - Manual cleanup tips to finalize drawing.
- General Arrangement drawings for stairs
  - Useful information for field

---

---

---

---

---

---

---

---

### Miscellaneous Steel Drawings

- Ladder drawings
  - Classifiers and how they are used.
- Multi line handrail drawings
  - Define handrail the right way first.
  - Now use correct setup to get the best results.
- Picket handrail drawings
  - Handrail drawing switch in Project Properties.
  - BOM using handrail settings.
  - Use of this layout for linking to Multi-drawings.

---

---

---

---

---

---

---

---



**Steel Session V- Top 10 Discussion**

---

**2007 North American User Meeting**

## Top 10 Discussion

Breakout Session V - Steel

---

---

---

---

---

---

---

---

## Top Ten discussion

- Review last year's top ten list
- Collect this year's top ten list for the following categories;
  - Support
  - Modeling
  - Connections
  - Drawings
  - Data Base

---

---

---

---

---

---

---

---