

Post Configurator

Session 04 – Debugging Overview



Debugging the Post Processor

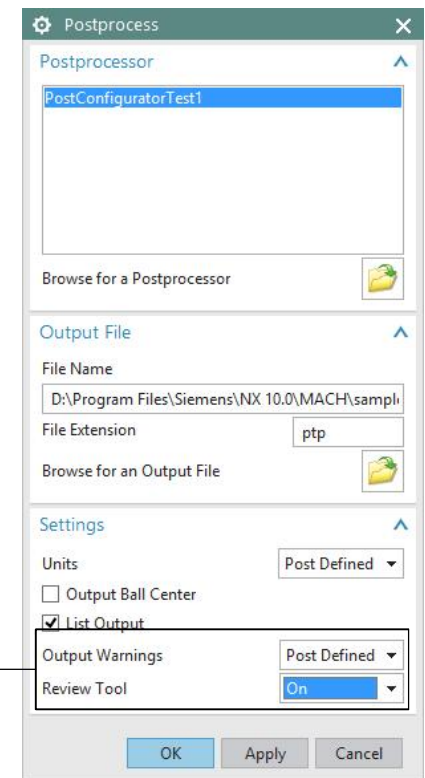


- Standard NX *Review Tool* still works
- Some review output will be suppressed if the Turbo Mode is On
- Overview of MOM Events and MOM Variables
- New debug functionality „*Show where output comes from*“ (UI)
- *Helps to identify what is creating certain output lines*

NX Review Tool – Turbo Mode ON

1. Turbo Mode is ON
2. Post Process the required Operation with Review Tool ON
3. Turn Turbo Mode OFF
4. Post Process the required Operation with Review Tool ON

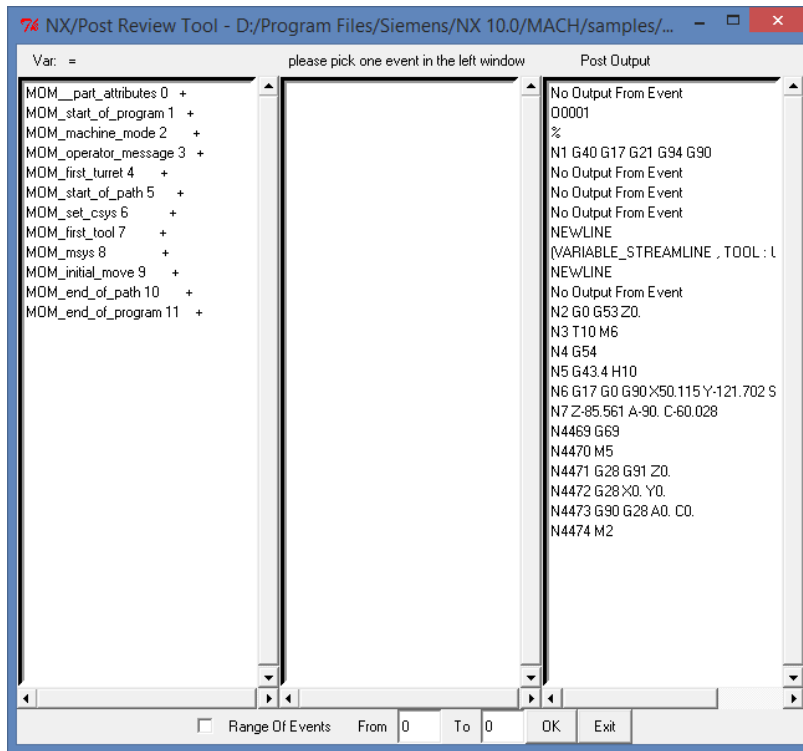
Note: Using the review tool will dramatically increase the post processing time.



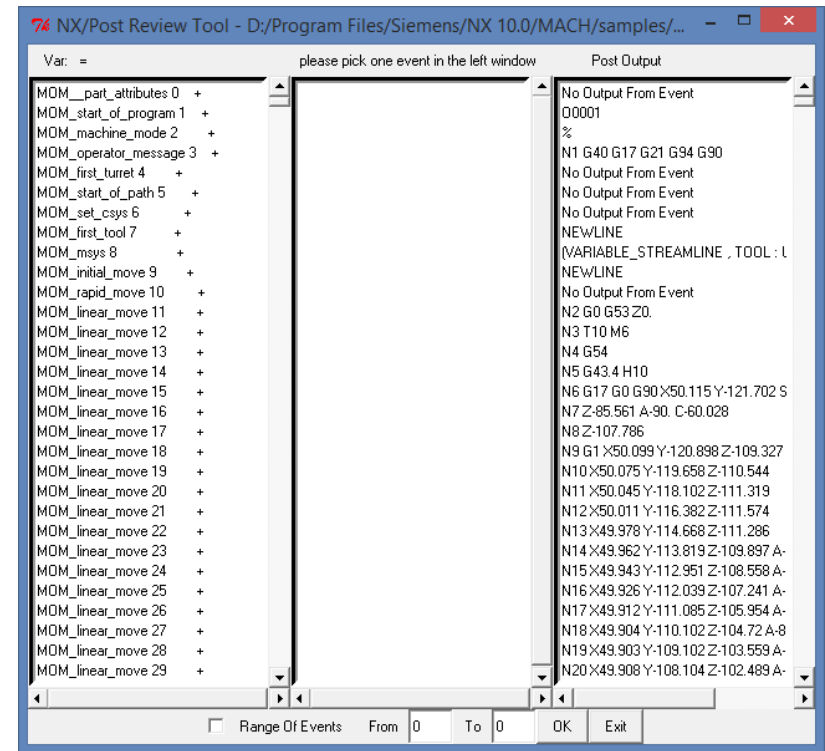
Using Review Tool



Turbo Mode ON



Turbo Mode OFF

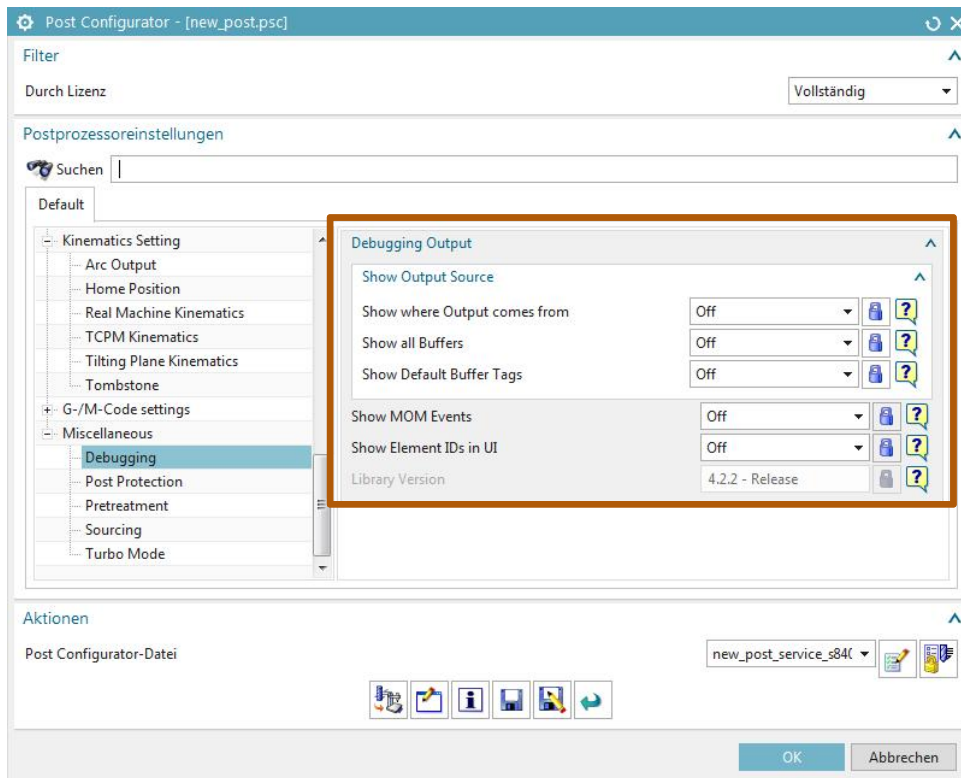


Buffer Handling



- New functionality for Post Configurator posts to list
- Which MOM Event generated this line
- Which Library function generated that line
- Buffer and Sequence Information of the Line

Important Debugging settings



Show where Output comes from:

- Adds debugging information to the information window
- Shows which Tcl commands generated NC code lines
- Is needed to use Entry points and change buffers

Show all Buffers

- Show also empty buffers which are not called

Show Default Buffer Tags

- if a buffer is changed in different buffers this will show up all changes

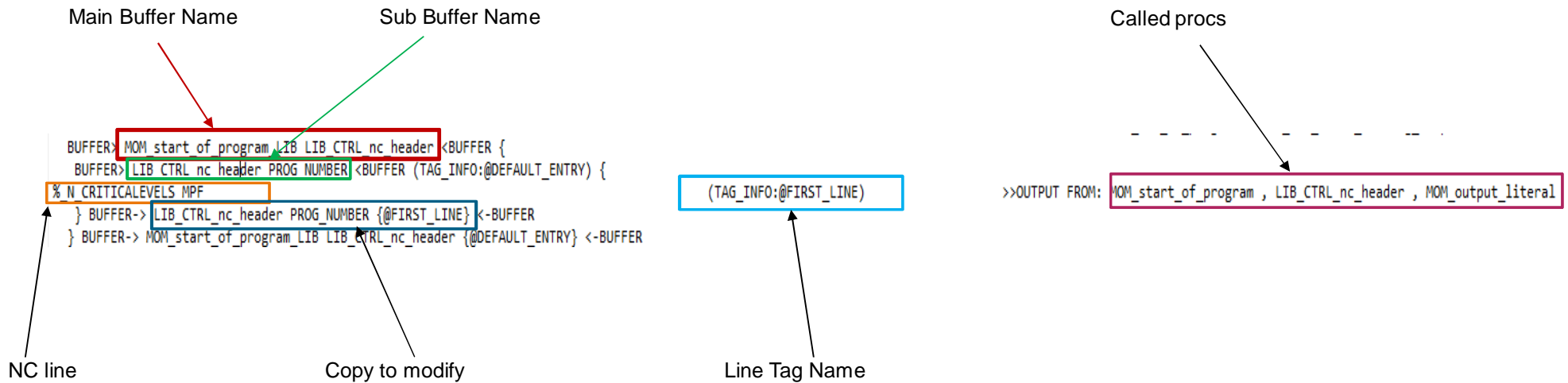
Show MOM Events

- List called MOM events

Show Element Ids in UI:

- Activates debugging information for elements in the UI
- With this information new property sets can be created in the UI

How to read a Buffer



- A buffer can contain subbuffers
- Existing buffers can be used to modify order, replace or add functionality
- It's recommended to use small operations or only necessary operations for debugging with buffers

Using the sequences



What is the OutputBuffer:

- Within a buffer sequence tags are assigned to NC-lines
- Output can be reordered within the same buffer
- Additional output can be added to the buffer sequence
- Output can be suppressed from buffer sequence
- A template of the command to manipulate the buffer will be displayed if „Show where output comes from“ is activated
- LIB_GE_command_buffer_seq LIB_SPF_operation_header_comment HEADER_COMMENT {@NEWLINE1 @INFOLINE @NEWLINE2}

Using new Buffer commands introduced with v4.2.2



- With v4.2.2 new Buffer commands are available
- LIB_GE_command_buffer_seq is still available
- We recommend to use the new commands to get more flexibility
 - LIB_GE_command_buffer_edit_append
 - LIB_GE_command_buffer_edit_insert
 - LIB_GE_command_buffer_edit_move
 - LIB_GE_command_buffer_edit_prepend
 - LIB_GE_command_buffer_edit_remove
 - LIB_GE_command_buffer_edit_replace



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