



# XML editing trials – Q3 2015

GNB team

- Purpose

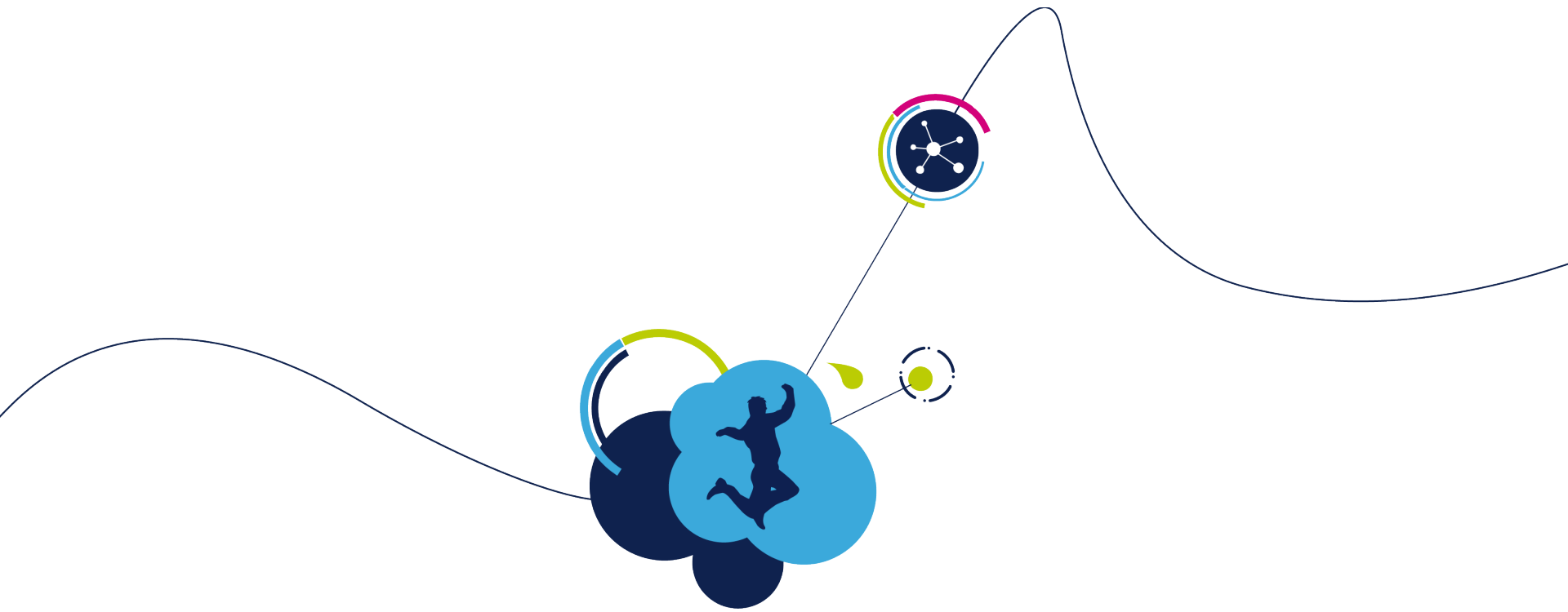
- Describe the various trials run in Q3 2015
- Present the limitations and issues encountered
- Assess workable solutions for simple documents

- Scope

- XML editing in DitaExchange
- FM to XML conversion using SPEC2DITA

- Software license agreements (SLA)
- FM to XML conversion using SPEC2DITA
- Template for UM, AN, RN and TN
- Map download for local editing

- XML editing user guide - [LINK](#)
- OLM guidelines for SLA (Webinar) - [LINK](#)
- XML editing SPEC2DITA steps – [LINK](#)
- SLA template - [LINK](#)
- Template for UM, TN, AN, RN – [LINK](#)
- Template for ES - [LINK](#)



# Trial 1 – Software License Agreement (SLA)

# Trail 1 – Software License Agreement

- Trial description
  - Follow OLM recommendations
    - clone the SLA template map and related topics
  - Modify the SLA topic
    - replace the “standard” text with the one provided by MMS for MMY and MCD
  - Publish the map in MSWord
  - Rework the MSWord and generate the PDF
  - Upload the PDF and SLA XML topic in DMS@ST
- Limitations
  - Huge difference between MMS SLA versus the “standard” SLA
  - Format and requirements not yet fully defined for MMS SLA
  - Latest style sheet version (v24) not adequate for SLA
    - Wrong headers
    - Blank page after the revision history

# Trial 1 – SLA editing limitation examples

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ST technical literature

## Revision history

Table 1: Document revision history

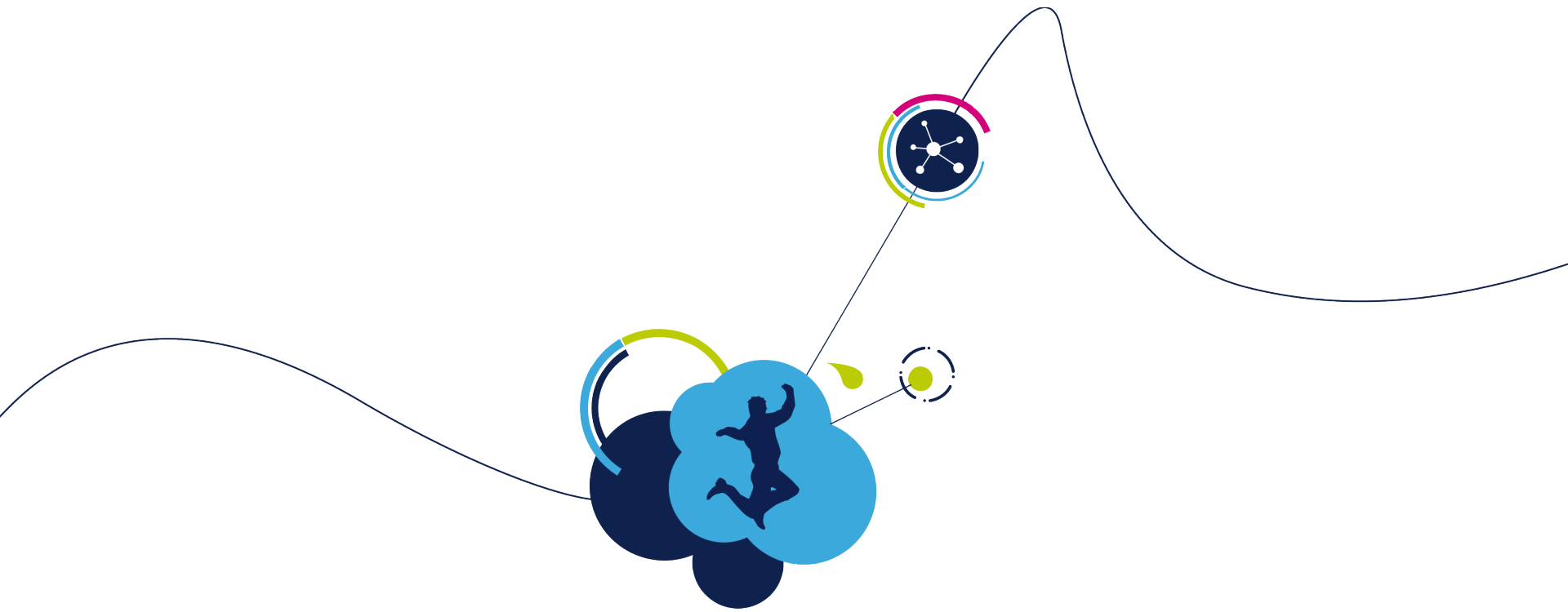
Date	Version	Changes
10-Sep-2015	1	Initial release.

Error! No text of specified style in document.

SLA00XX

## ▪ RESTRICTIONS.

Unless otherwise explicitly stated in this Agreement, You may not sell, assign, sublicense, lease, rent or otherwise distribute the Licensed Software for commercial purposes, in whole or in part. You acknowledge and agree that any use, adaptation translation or transcription of the Licensed Software or any portion or derivative thereof for use with (i) product that does not include ST Device and/or (ii) with



# Trial 2 – FM to XML conversion using SPEC2DITA



# Trial 2 – FM to XML conversion using SPE2DITA

- Trial description

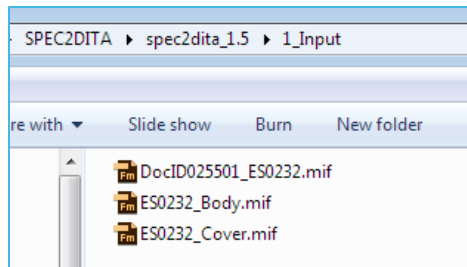
- Follow OLM guidelines to prepare the FM content
- Move the mif files and book to the Input folder
- Run SPEC2DITA
- Retrieve the map, topics and figures in the Output folder
- Edit the XML content in Oxygen XML Author
- Upload the ZIP of the converted document into DITAX

- Limitations

- Naming of the converted content not compliant with OLM recommendations
  - Document name and section number included in topic or map name
  - Not sure how to proceed with map and topics renaming as per OLM recommendations
    - <M for map, T for topic>MMS<DDMMYYYY><HHMM><editor's initials>
- Cannot open the map with Oxygen XML Author
- Huge number of topics + 2 files for each figure (SVG and EMF)

# Trial 2 – FM to XML conversion using SPEC2DIAT limitations

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Naming issue!

DITA > spec2dita\_1.5 > 2\_Output

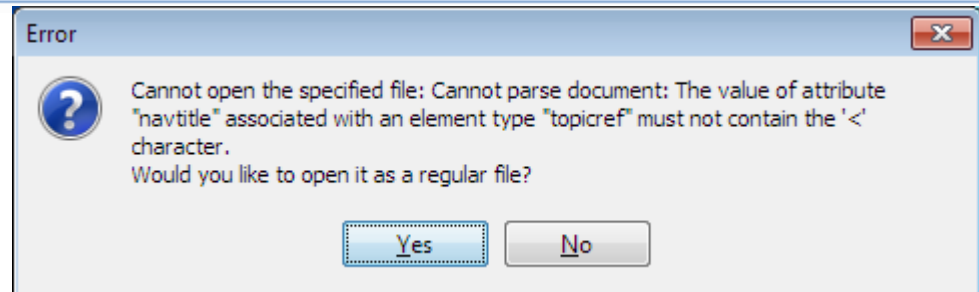
48 files in total

Burn New folder

Name	Date modified	Type
DocID025501_ES0232_2_4_1_10_bit_slave_mode_wrong_direction_bit_value_after_Read_header.dita	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_4_2_10_bit_combined_with_7_bit_slave_mode_ADDCODE_may_indicate_wrong.dita	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_4_3_Wakeup_frames_may_not_wakeup_the_MCU_mode_when_STOP_mode.dita	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_4_4_Wrong_behavior_related_with_MCU_Stop_mode_when_wakeup_from_Stop.dita	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_4_5_Wakeup_frame_may_not_wakeup_from_STOP_if_t_sub_outputclass_Subscript...	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_4_6_Wrong_data_sampling_when_data_set_up_time_t_sub_outputclass_Subscript...	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_4_7_Spurious_bus_error_detection_in_master_mode.dita	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_4_I_sup_outputclass_Superscript_2_sup_C_peripheral_limitations.dita	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_5_1_Communication_parameters_reprogramming_after_ATR_in_Smartcard.dita	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_5_2_Last_byte_written_in_TDR_might_not_be_transmitted_if_TE_is_cleared.dita	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_5_3_Start_bit_detected_too_soon_when_sampling_for_NACK_signal.dita	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_5_4_Break_request_can_prevent_the_Transmission_Complete_flag_TC_from.dita	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_5_5_nRTS_is_active_while_RE_or_UE_0.dita	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_5_6_Receiver_timeout_counter_starting_in_case_of_a_2_stop_bit_configuration.dita	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_5_USART_limitations.dita	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_6_1_In_I2S_slave_mode_WS_level_must_be_set_by_the_external_master_when.dita	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_6_I2S_peripheral_limitations.dita	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_7_1_Spurious_break_generation_during_TIM1_TIM8_BRK2_initialization.dita	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_7_TIM_peripheral_limitations.dita	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_8_1_V_sub_outputclass_Subscript_REFINT_sub_scaler_startup_time_from_power_d...	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_8_Comparator_peripheral_limitation.dita	2015-09-09 1:14 PM	DITA Document
DocID025501_ES0232_2_silicon_limitations.dita	2015-09-09 1:14 PM	DITA Document

DocID025501\_ES0232\_silicon\_identification.dita 2015-09-09 1:14 PM DITA Document 4 KB

DocID025501\_ES0232.ditamap Open with Oxygen XML Author 2015-09-09 1:14 PM DITA Map Docum... 2 KB





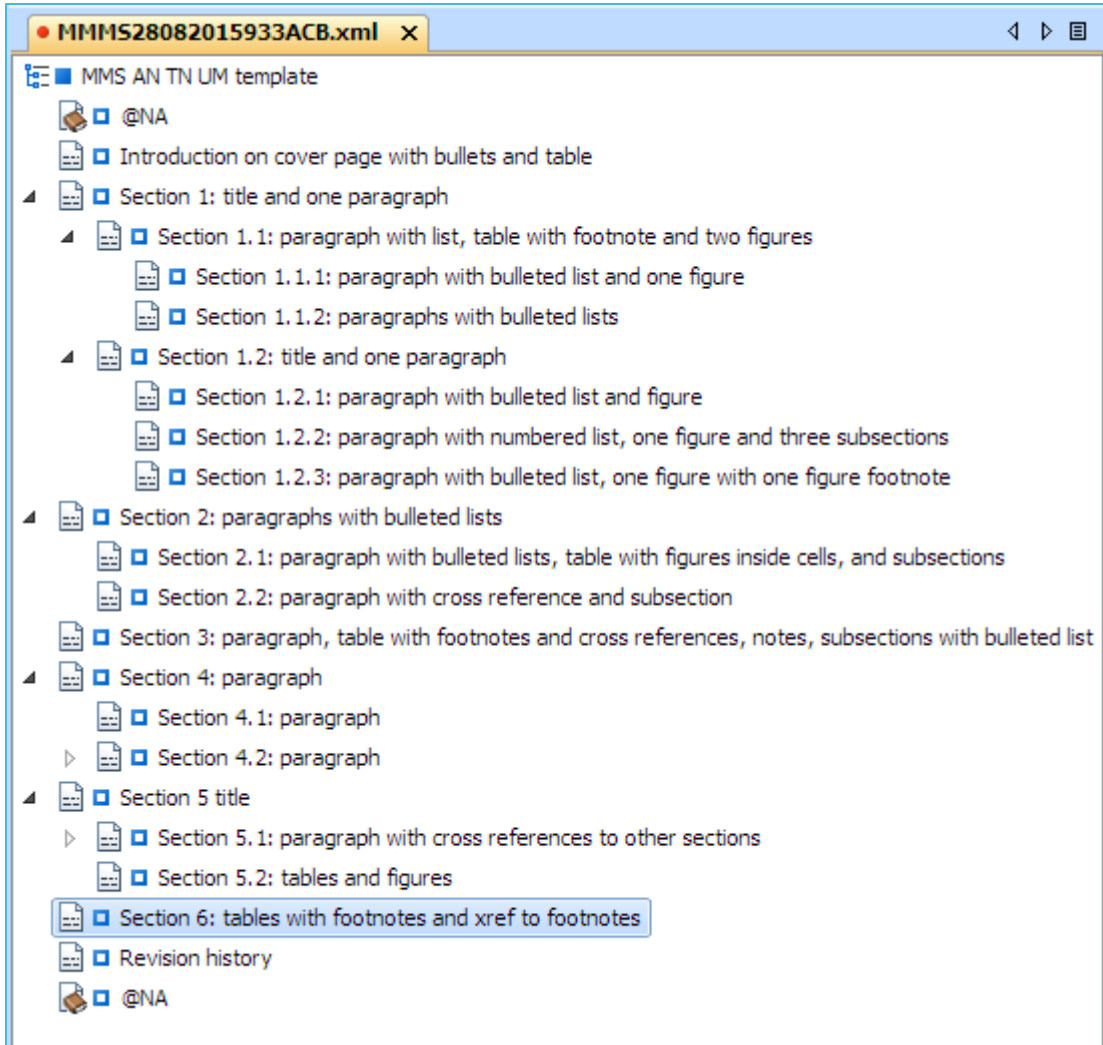
# Trial 3 – Template for UM, AN, RN and TN

# Trial 3 – Template for UM, AN, RN and TN

- Trial description
  - Select an existing valid map
  - Use the Clone Map functionality in DITA Exchange
  - Rename the cloned map and topics
  - Rework the content: rename the sections of interest as template
  - Delete the topics of no interest in the map
  - Publish the map in MSWord
  - Generate a PDF
- Limitations
  - Cannot delete the cloned topics in DITA Exchange
  - Timing issue with connection to DITA Exchange
  - Tedious way of working with figures in DITA Exchange

# Trial 3 – Template for UM, AN, RN and TN










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How to use the template:  
each section includes some examples of XML content that can be copied into new topics in Oxygen XML Author

# Trial 3 – Template for UM, TN, AN, RN - Limitations

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<input checked="" type="checkbox"/>		TMMS28	Version Differences	Section 5 title
		TMMS28	Generate Translation Package	Section 2.7 title
		TMMS28	Translation Report	Section 2.6 title
		TMMS28	View Properties	Section 2.5 title
		TMMS28	Edit Properties	Section 2.4 title
		TMMS28	Edit Document	
		TMMS28	Check Out	
		TMMS28	Version History	
			Compliance Details	
			Workflows	
			Alert Me	
			Send To	
			Delete	
 Add new item				



## Error

Topic cannot be deleted.

The Topic

"<http://dita.st.com/dx/ditaexchange/Repository/Topics/TMMS280820151023ACB.xml>" is referenced in other Topics or Maps.

Click the link below to see where the Topic is being used.

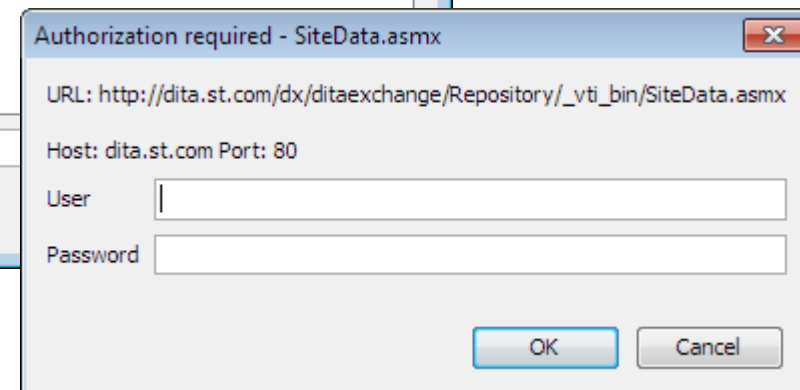
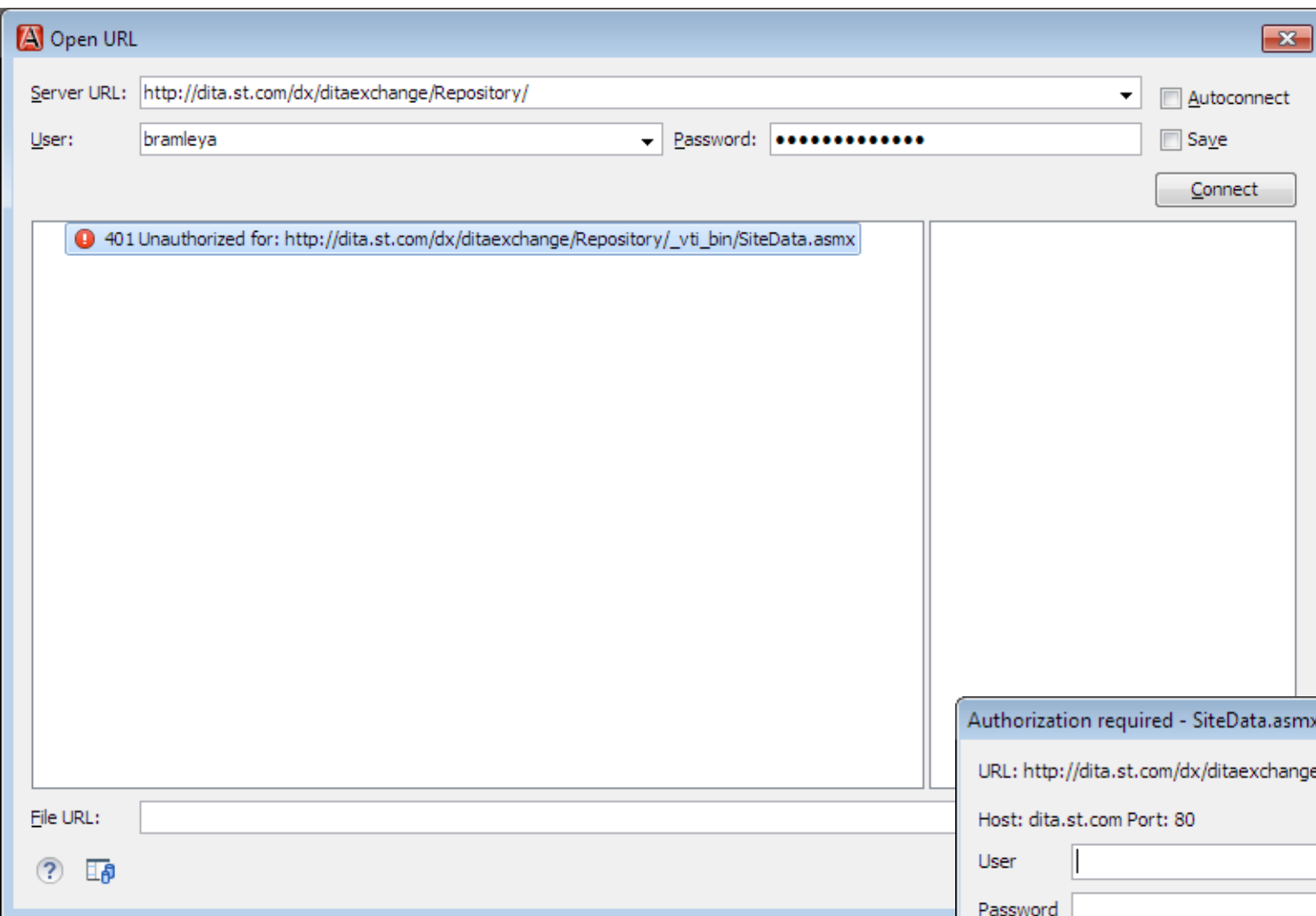
"<http://dita.st.com/dx/ditaexchange/Repository/Pages/WhereUsed.aspx?topicref=/dx/ditaexchange/Repository/Topics/TMMS280820151023ACB.xml>"

Troubleshoot issues with Microsoft SharePoint Foundation.

- [Go back to site](#)

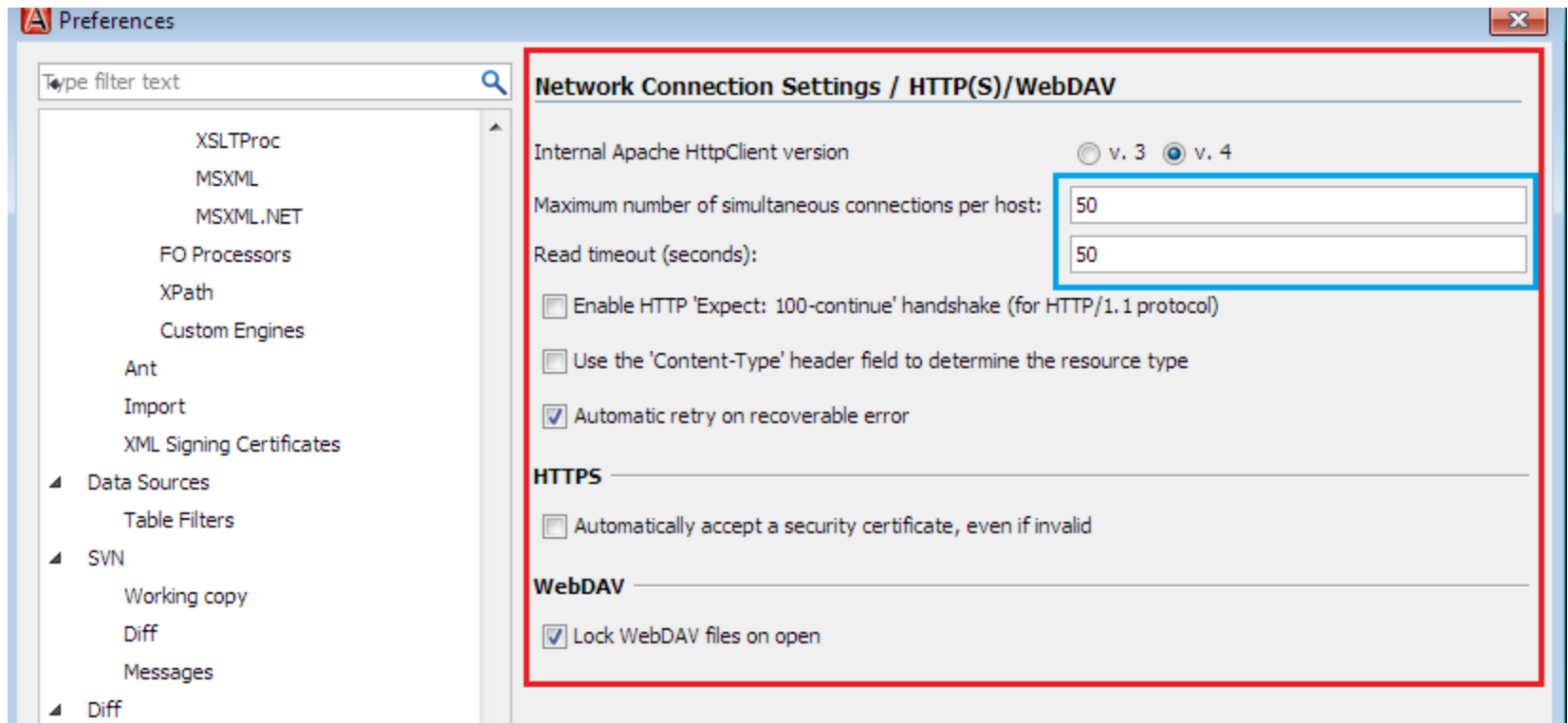
# Trial 3 – Limitations with DITA connection

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# Trial 3 – Workaround for DITA connection limitation

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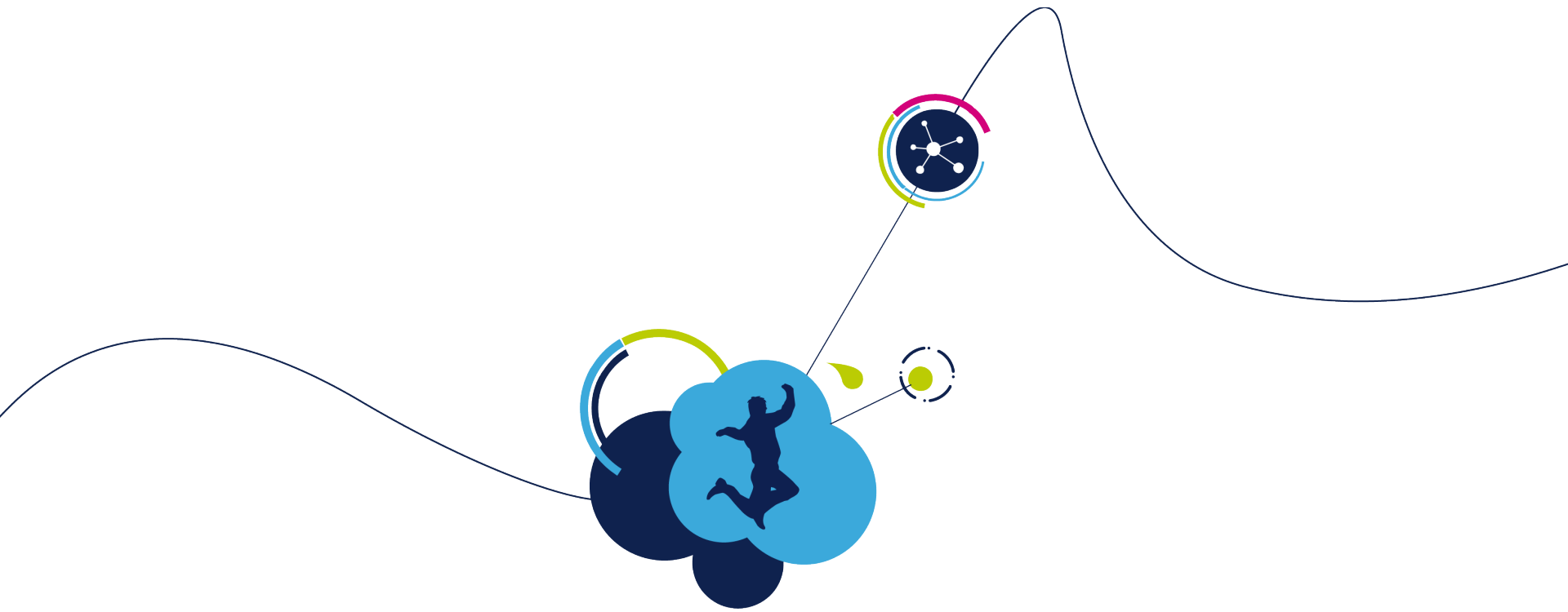
Tools>Preferences>Network connection settings>HTTP(S)/Webdav



# Trial 3 – Limitation with figures in DITA Exchange

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- Very long sorting of figures in DITA Exchange
  - By Author
  - By title
- If using the Search to find figures, how to check out the figure once found as result from search?
- All kinds of naming in use: makes the sorting more tedious
  - G<Group name><DDMMYYYY><HHMM><Author's initials>.svg
  - MSv#####V#.svg
  - MS#####V#.svg
  - <figure\_caption>.svg

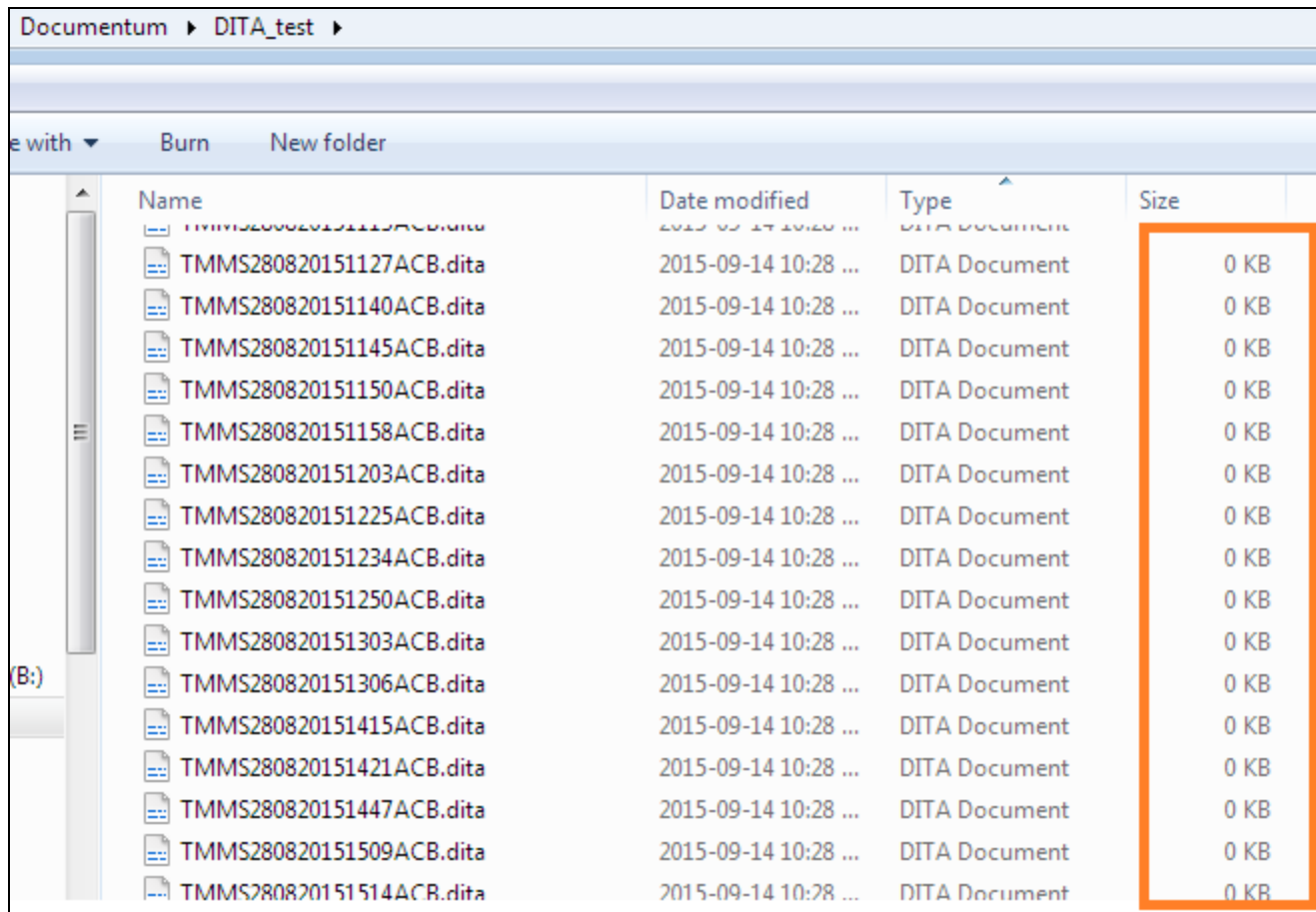


# Trial 4 - Map download for local editing

# Trial 4 – Map download for local editing

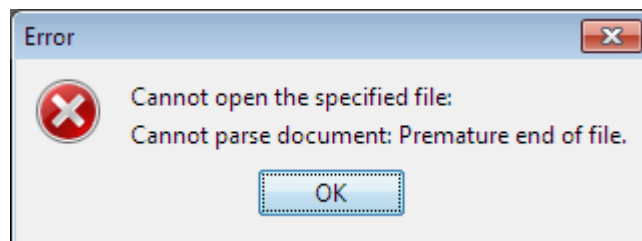
- Trial description
  - Follow OLM recommendations
  - Find the map of interest
  - Select the Checkout and download map functionality in DITA Exchange
  - Save the ZIP file locally
  - Extract all files from the ZIP (map, submap(s), topics, figures)
  - Edit the map and topics using Oxygen XML Author
  - Create a ZIP of the edited content
  - Upload the ZIP in DITA Exchange
- Limitations
  - Cannot open the map stored locally with Oxygen XML Author

# Trial 4 – Map download for local editing limitations



Name	Date modified	Type	Size
TMMS280820151113ACB.dita	2015-09-14 10:28 ...	DITA Document	0 KB
TMMS280820151127ACB.dita	2015-09-14 10:28 ...	DITA Document	0 KB
TMMS280820151140ACB.dita	2015-09-14 10:28 ...	DITA Document	0 KB
TMMS280820151145ACB.dita	2015-09-14 10:28 ...	DITA Document	0 KB
TMMS280820151150ACB.dita	2015-09-14 10:28 ...	DITA Document	0 KB
TMMS280820151158ACB.dita	2015-09-14 10:28 ...	DITA Document	0 KB
TMMS280820151203ACB.dita	2015-09-14 10:28 ...	DITA Document	0 KB
TMMS280820151225ACB.dita	2015-09-14 10:28 ...	DITA Document	0 KB
TMMS280820151234ACB.dita	2015-09-14 10:28 ...	DITA Document	0 KB
TMMS280820151250ACB.dita	2015-09-14 10:28 ...	DITA Document	0 KB
TMMS280820151303ACB.dita	2015-09-14 10:28 ...	DITA Document	0 KB
TMMS280820151306ACB.dita	2015-09-14 10:28 ...	DITA Document	0 KB
TMMS280820151415ACB.dita	2015-09-14 10:28 ...	DITA Document	0 KB
TMMS280820151421ACB.dita	2015-09-14 10:28 ...	DITA Document	0 KB
TMMS280820151447ACB.dita	2015-09-14 10:28 ...	DITA Document	0 KB
TMMS280820151509ACB.dita	2015-09-14 10:28 ...	DITA Document	0 KB
TMMS280820151514ACB.dita	2015-09-14 10:28 ...	DITA Document	0 KB

All the DITA documents and figures are empty !!!!



Error message when attempting to open the map with Oxygen XML Author



# Way forward

- Current limitations
  - Figure handling in DITA Exchange
  - Result of SPEC2DITA conversion not editable in Oxygen
  - Local download of DITA content not editable in Oxygen
- Possible solution
  - Stick to OLM recommendations for map, topic and figure naming
    - <T for topic, M for map, G for graphic><Group><DATE><TIME><author's initial>
  - Use templates available in DITA Exchange
  - Use the Save to URL functionality for map in Oxygen
  - Create new topics
  - Copy/paste content directly from FM
  - Use the available topics in templates to copy specific formatting
- Applicability of possible solution
  - Small documents like RN, AN, ES, TN, etc.



Thank you!