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Generating Custom Reports with VTL and Report Wizard Course Syllabus

Course Title: Generating Custom Reports with VTL and Report Wizard

Objectives

- Teach the fundamentals of generating and customizing reports for Cameo Systems Modeler. To include the following sub-goals:
 - Navigating and using the Report Wizard
 - The report data profile
 - Coding in VTL
 - Types of templates; Word, PowerPoint, and Excel
 - Tips and tricks

Duration

- 6 hours and 43 minutes of self-paced modules delivered on demand through the Delligatti Associates Learning Center

Training materials (electronic files downloadable from Delligatti Associates Learning Center):

- SysML model of the *DellSat-77 Satellite* example system in the MagicDraw native file format.
- 9 prepared exercises with written and video descriptions, example outputs, and completed templates. This includes exercises for creating and customizing Word, PowerPoint, and Excel templates.
- 10 sample questions to further reinforce the content covered in the course.
- “Report Wizard and VTL Resources Guide” with links to additional learning and reference material on the internet.
- Course completion certificate (available upon completion of the course, via the participant’s Learner Profile page in the Delligatti Associates Learning Center). This certificate is valid documentation to claim recertification Professional Development Units (PDUs) for technical certifications (e.g., INCOSE CSEP, IEEE CSDP).

Training materials/equipment (provided by Client):

- Computer with high-speed internet connection and the ability to stream video content from Vimeo. (Note: the course is accessed via the Delligatti Associates Learning Center learning management system which uses Vimeo to stream the training videos. Some organizations' IT policies prevent streaming from Vimeo, in which case we recommend learners access the course from outside their organization's IT network, including VPN.)
- We recommend that Cameo Systems Modeler version 2021x Enterprise Edition or later be installed on learners' computers.

Scope of Coverage

This course consists of the following modules:

Module	Topic	Duration (h:mm)
0	Introduction	0:18
1	Generating Reports (Part 1)	0:42
2	Generating Reports (Part 2)	0:26
3	Creating Custom Templates (Part 1)	1:35
4	Creating Custom Templates (Part 2)	2:18
5	Other Template Types	0:47
6	Concluding Tips and Tricks	0:36

Detailed breakdown of concepts by topic:

Module 1: Generating Reports (Part 1)

Coverage: This module covers how to generate a preset report using the report wizard. This includes, report wizard basics, introduction to variables, defining and setting variables in the report wizard, using preset templates, and report generation shortcuts.

Module 2: Generating Reports (Part 2)

Coverage: This module covers how to generate a preset template using the report date profile. This includes segments covering the report data profile, and report data elements.

Module 3: Creating Custom Templates (Part 1)

Coverage: This module covers how to customize a template. This includes set, conditionals, loops, finding and using element and property names, common errors and error checking.

Module 4: Creating Custom Templates (Part 2)

Coverage: This module continues to detail how to customize templates. This includes diagrams, helper tools, macros, arrays, and tables.

Module 5: Other Template Types

Coverage: This module extends the knowledge of customizing templates covered in modules 3 and 4 to PowerPoint and Excel templates.

Module 6: Concluding Tips and Tricks

Coverage: This module covers how to repurpose existing templates, how to organize the model for report generation, how to enable reuse and sharing, and online resources for further study and reference.

Cost

Item	Rate
On-demand Generating Custom Reports with VTL and Report Wizard 6-month Subscription	Price for single 6-month subscription: \$275 / participant <u>Bulk purchase tiers</u> <ul style="list-style-type: none"> • Tier 1 - minimum purchase of 25 seats: \$250 / participant • Tier 2 – minimum purchase of 50 seats: \$225 / participant • Tier 3 – minimum purchase of 100 seats: \$200 / participant

Payment Terms

- Individual seats up to a quantity of 25 can be purchased via credit card in our online store (<https://ei194.infusionsoft.com/app/manageCart/addProduct?productId=238>).
- For bulk purchases, Delligatti Associates will electronically submit one invoice to the Client in accordance with Client’s invoicing instructions. The Client will pay the invoice at the standard rate listed above upon receipt of the invoice or in accordance with mutually agreed payment terms. The client will remit payment on the invoice either by credit card or via ACH electronic funds transfer (EFT).

Terms and Conditions of Service

- For purchases made in the online store, buyers will receive an automated confirmation email with access codes and instructions for accessing the training in the Delligatti Associates Learning Center. To help ensure delivery of this email, please be sure to add the delligattiassociates.com domain to your safe senders list. Buyers purchasing this course on behalf of others (i.e., you are not the participant), will need to provide the access code(s) and instructions to the participant(s).
- Delligatti Associates will email a list of access codes along with instructions for learners to redeem them to the client’s point of contact (POC) within one (1) business day of Delligatti Associates receiving payment.

- Access codes are valid for one 6 months from the date they are provided to the client POC. Once a learner redeems an access code, they will have access to the On-demand Generating Custom Reports with VTL and Report Wizard until the end of the period of service. No extensions will be granted.
- Access codes for the On-demand Generating Custom Reports with VTL and Report Wizard cannot be traded for access codes for access codes for other courses that Delligatti Associates offers.
- Each access code may only be redeemed once by a single named individual. Access codes are not transferable once redeemed.
- Access codes not redeemed prior to the period of service end date will be forfeited. No refunds will be provided for unused access codes.

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- Delligatti Associates retains ownership of our training materials. The Client does not gain joint ownership of these training materials. Delligatti Associates grants paid participants of our training courses the right to use the content provided during training in their daily engineering work. Use of the training materials to provide training to others, either internally or externally, is strictly prohibited.

Appendix A

Generating Customer Reports with VTL and Report Wizard On-Demand Course Durations

Summary

Total Course Duration: 6 hours, 43 minutes, 49 seconds

Average Module Duration: 57 minutes, 41 seconds

Longest Module (Module 4): 2 hours, 18 minutes, 12 seconds

Longest Segment (Module 3 Segment 7): 22 minutes, 15 seconds

<u>Content Item</u>	<u>Content Description</u>	<u>Duration (h:mm:ss)</u>
Module 0	Course Introduction	0:18:02
Segment 1	Course Introduction and Instructor Bio	0:07:30
Segment 2	Course Materials	0:10:32
Module 1	Generating Reports (Part 1)	0:42:18
Segment 1	Report Wizard Basics	0:08:56
Segment 2	Introduction to Variables	0:04:56
Segment 3	Checkpoint Question 1-1	0:01:44
Segment 4	Defining and Setting Variables in Report Wizard	0:07:26
Segment 5	Checkpoint Question 1-2	0:02:39
Segment 6	Using preset templates & Report Generation Shortcuts	0:06:05
Segment 7	Module 1 Exercise	0:10:32
Module 2	Generating Reports (Part 2)	0:26:19
Segment 1	Report Data Profile	0:04:56
Segment 2	Report Data Element	0:15:04
Segment 3	Module 2 Exercise	0:06:19
Module 3	Creating Custom Templates (Part 1)	1:35:05
Segment 1	The Set Directive	0:10:20
Segment 2	Checkpoint Question 3-1	0:03:07
Segment 3	Conditional Statements	0:11:53
Segment 4	Checkpoint Question 3-2	0:04:57
Segment 5	Loops	0:06:19
Segment 6	Checkpoint Question 3-3	0:02:05
Segment 7	Finding and Using Element & Property Names	0:22:15
Segment 8	Checkpoint Question 3-4	0:05:01
Segment 9	Common Errors and Error Checking	0:15:39
Segment 10	Module 3 Exercise 1 (Find the Errors)	0:07:04
Segment 11	Module 3 Exercise 2 (Printing Elements)	0:06:25
Module 4	Creating Custom Templates (Part 2)	2:18:12
Segment 1	Diagrams	0:13:33

Segment 2	Module 4 Exercise 1	0:08:32
Segment 3	Helper Tools	0:14:50
Segment 4	Module 4 Exercise 2	0:08:46
Segment 5	Macros	0:10:27
Segment 6	Checkpoint Question 4-1	0:05:15
Segment 7	Arrays	0:15:32
Segment 8	Checkpoint Question 4-2	0:05:52
Segment 9	Tables (Direct Print)	0:06:04
Segment 10	Tables (Custom)	0:11:54
Segment 11	Checkpoint Question 4-3	0:07:48
Segment 12	Tables (Printed elements)	0:06:47
Segment 13	Checkpoint Question 4-4	0:05:51
Segment 14	Module 4 Exercise 3	0:17:01
Module 5	Other Template Types	0:47:24
Segment 1	PowerPoint Templates	0:18:13
Segment 2	Module 5 Exercise 1 (PowerPoint)	0:08:44
Segment 3	Excel Templates	0:13:15
Segment 4	Module 5 Exercise 2 (Excel)	0:07:12
Module 6	Concluding Tips and Tricks	0:36:29
Segment 1	Repurposing Existing Templates	0:13:35
Segment 2	Organizing the Model for Report Generation	0:09:02
Segment 3	Enabling Reuse and Sharing	0:08:52
Segment 4	Resources & Farewell	0:05:00