

Requirements ranking comparison (Enforced)

Rank	indicator_ID	QualityIndicators	Value
1	84	Copying/pasting part of GRL diagrams across diagrams in the same model	72
2	83	Copying/pasting part of UCM diagrams across diagrams in the same model	71
3	85	Copying/pasting part of UCM diagrams across models	67
4	106	A hierarchical navigation view (where are we in the tree of maps/submaps)	67
5	88	Copying/pasting part of GRL diagrams (images) to external tools such as Word without using the export wizard.	64
6	87	Copying/pasting part of UCM diagrams (images) to external tools such as Word without using the export wizard.	63
7	79	Movable labels for GRL contribution labels	63
8	143	Exporting UCM scenarios to UML sequence diagrams	62
9	142	Exporting UCM models to UML activity diagrams	61
10	124	Coverage analysis of multiple scenarios	61
11	90	The duplication of GRL diagrams	61
12	141	Exporting UCM models to UML use case diagrams	60
13	103	Collapsing GRL actors and their content	59
14	101	Usable auto-layout of GRL diagrams	59
15	123	Displaying the result of the traversal of multiple scenarios	58
16	86	Copying/pasting part of GRL diagrams across models	58
17	80	Movable labels for GRL satisfaction labels	58
18	89	The duplication of UCM diagrams	58
19	126	GRL numerical contributions (beyond current help, make, hurt ...)	57
20	175	User-defined links between GRL and UCM elements	57
21	104	Collapsing UCM components and their content	57
22	154	Cropping images to eliminate surrounding white space during export	56
23	158	Exporting URN model information to HTML (in addition of images)	56
24	110	Collapse/expand all in the Outline view	56
25	125	GRL strategies integrated with UCM scenario definitions	55
26	164	Loading UCM models from old UCMNav files	54
27	146	Exporting UCM scenarios to XML	54
28	183	Reference to "parent" component in UCM plug-ins	54
29	82	Multi-line labels in UCM responsibilities and components	54
30	120	Closable panels/tabs for URN models with a large number of diagrams	54
31	190	jUCMNav's documentation shall cover GRL model editing	53
32	160	Exporting URN reports in MS Word (e.g. RTF)	53
33	159	Exporting URN reports to one flat HTML file (instead of current multi-file, hierarchical HTML documents)	53
34	169	Meta-information (tagged values) attached to URN elements	53
35	170	Performance annotations	53
36	108	Showing GRL conflict resolutions and other decisions in the Problems view	53
37	105	Viewing only the result of a UCM scenario traversal	53
38	191	jUCMNav's documentation shall cover GRL strategy usage	52
39	148	Exporting GRL strategies to HTML	52
40	192	jUCMNav's Web site shall include examples (GRL with strategies, UCM with scenarios, models integrating GRL and UCM)	51
41	161	Exporting URN reports in PS/PDF	51

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Rank	indicator_ID	QualityIndicators	Value
42	162	Saving URN models to metamodel-independent XML-based file format	51
43	176	UCM exception mechanism (definitions and handling)	51
44	163	Loading URN models from metamodel-independent XML-based file format	50
45	144	Exporting UCM scenarios to Message Sequence Charts	50
46	128	Indicating order of plug-in traversal where one or more plug-ins of a stub are traversed multiple times during the execution of one scenario	50
47	132	Local variables for plug-ins in scenario definitions	50
48	99	Reorder the GRL diagrams/UCM maps (in the Outline and in the multipage editor)	50
49	100	Usable auto-layout of UCM diagrams	50
50	156	Exporting URN images in SVG format (Scalable Vector Graphics)	49
51	173	UCM component stacks	49
52	95	Extracting a stub with a plug-in from a selection of UCM elements (refactoring)	49
53	136	The inclusion of a textual use case editor	48
54	81	Movable labels for UCM stub IN/OUT segments	48
55	157	Exporting URN diagrams in PS/PDF	47
56	145	Exporting UCM scenarios to DOORS (in DXL)	47
57	131	Local variables for components in scenario definitions	47
58	174	UCM events on start points, waiting places, and timers	47
59	177	UCM stub references (separate from stub definition)	47
60	185	Visual user-defined comments (post notes) for UCM diagrams	47
61	93	Adding "Negate all others" (else) to conditions in UCM OR-forks and stubs	47
62	153	The application of UCM reengineering patterns	46
63	178	Time concept in URN	46
64	171	UCM dynamic components (slots) and dynamic responsibilities	46
65	102	UCM scenario/map flattening (expand stubs)	46
66	155	Optional rectangles around images during export	45
67	172	UCM empty responsibilities	45
68	122	Semantic variations for UCM traversal (AND-joins, timers, waiting places, ...)	44
69	130	Interactive selection (by user) of alternatives in non-deterministic locations when executing a UCM scenario	43
70	134	Merging URN models	42
71	107	A component tree view (showing the containment relationships in components)	42
72	121	Highlighting of start/end points and in/out-paths when moving from stub to plug-in map and back	42
73	167	Importing UCM models from ASP.NET code	41
74	129	String data type for scenatio definitions	41
75	109	Sorting of diagrams in the Outline view	41
76	133	Diff of URN models (beyond Eclipse's XML diff)	40
77	189	jUCMNav shall include help for all its wizards	40
78	187	Aspect-oriented concepts and notation for UCM	40
79	180	Distinguishing UCM plug-in maps that are the same instance from those that are different instances	40
80	150	Exporting UCM models to BPEL (Business Process Execution Language)	39
81	127	Automated combination and execution of each scenario in group A with each scenario in group B (or potentially, each scenario in the model with all other scenarios)	39

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Rank	indicator_ID	QualityIndicators	Value
82	188	Aspect-oriented concepts and notation for GRL	39
83	92	The combined deletion of definition and of all references of a UCM component, UCM responsibility, GRL actor, GRL intentional element	39
84	137	URN hyperlinks (to/from URLs)	38
85	119	The selectable visualization of GRL graphical and textual contribution/satisfaction labels globally	38
86	115	The use of resizable fonts for URN models	38
87	193	jUCMNav's Web site shall include training material (exercises and solutions) for creating and analyzing URN models	37
88	182	Groups of stubs which share the same plug-in instance and optional merging of plug-in bindings for those stubs	37
89	98	Taking the direction of the UCM path into account when adding a branch to a stub or a fork	37
90	149	Exporting UCM models to BPMN (Business Process Modeling Notation)	36
91	179	UCM component classes and instances	36
92	186	UML class diagrams for describing domain models	35
93	91	The automatic deletion of unused UCM components and responsibilities	35
94	117	Adding labels (yellow triangle) to GRL elements when URN links are defined	35
95	165	Importing GRL models from the OpenOME tool (OME uses the same file format)	34
96	168	Importing UCM models from .NET code	34
97	147	Exporting UCM to Fit Nesse test goals	34
98	181	UCM component parameterization in stubs/plugin-ins	34
99	96	Arrow to empty-point transformation in UCM diagrams	34
100	151	Exporting UCM models to CSM (Core Scenario Model)	33
101	94	Code completion for UCM responsibility/condition code editor	33
102	97	Responsibility to stub transformation in UCM diagrams	33
103	114	Definition of root map for a feature/use case plus automatic listing of all plug-in maps reached from the defined root map	32
104	135	The generalization and refactoring of the model import API	31
105	152	Exporting UCM models to TTCN-3 test cases	31
106	184	GRL dependencies between actors - expanding/hiding actor details	31
107	116	Centered labels in GRL intentional elements	31
108	139	A central repository with locking mechanism for concurrent development of URN models	30
109	138	A scripting language for batch execution and tool interworking	30
110	111	Sorting of diagrams in the Strategies/Scenarios view	30
111	166	Importing UCM models from the Compact Trace Format (CTF)	27
112	112	Collapse/expand all in the Strategies/Scenarios view	27
113	113	Changing group for a strategy/scenario	24
114	140	Links to an Architecture Description Language (ADL)	23
115	118	The automatic identification of top-level UCM maps	21