

IBM

**Moderator: Angelique Matheny
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Operator: Good afternoon. My name is (Terrence), and I will be your conference operator today. At this time I would like to welcome everyone to the Manage RUP-Based CMMI Initiatives Conference Call.

All lines have been placed on mute to prevent any background noise. After the speakers' remarks, there will be a question and answer session. If you would like to ask a question during this time, simply press star then the number 1 on your telephone keypad. If you would like to withdraw your question, press the pound key.

Thank you. Ms. Matheny, you may begin your conference.

Angelique Matheny: Hello and welcome to this Rational Talks To You Telecom Series, Manage Rational Unified Process Based CMMI Initiative. I'm Angelique Matheny with IBM Rational and I'll be your host for today's call.

Today's session we'll talk about how Rational Method Composer can help you meet your compliance and CMMI objectives. More specifically the speakers will discuss the Rational Unified Process or RUP, and in addition to

the RUP, the RUP with CMMI compliance plug-in, which are included in Rational Method Composer.

We have two excellent speakers for today's topic; Judy Murphy and Doug Ishigaki. Judy Murphy is an accredited Senior IT Specialist with the IBM Software Group Sales and Distribution.

She has over 25 years of software engineering experience from NASA and as a software engineer with the Rational Brand. She has worked with Rational for the past six years and worked in CMM Level 4 organization at NASA and has helped a customer achieve CMMI.

Doug is a Senior Marketing Engineer for Rational primarily supporting Rational Method Composer and the Rational Unified Process. He has over 22 years in the software development - he has 22 years of software development experience with TRW, Rational and IBM. The last 11 years with Rational.

Doug has extensive experience using Rational Method Composer as a primary architect of the RUP for practical software and systems measurement plug-in. Doug has also written several articles and presented on the subject of measurement.

You won't find any slides for this teleconference. We want to keep it fast-moving and very interactive. In fact, during this presentation, Doug and Judy will frequently open up the call for Q&A. These calls are really for you to get your questions answered by our expert panelists, so write those questions down as you think of them and jump in.

A lot to cover today so let's get started. I'll now turn it over to Judy and Doug.

Judy Murphy: Hello everybody. First I'll be starting with a brief overview of the plug-in that we worked on. Many, many months ago, I guess this has probably been going on now on and off for about a year.

A group from the U.S. and from Europe got together and decided to create a plug-in for RMC that would feed off of RUP and also meet CCMI, so we decided to start with the staged representation and that's for Maturity Level 2.

And basically what we did is we broke up the process areas at Level 2 in stage and assigned them to individuals in the group and then those individuals went off and worked as a team to look at what parts of RUP and other Rational tools could be used to support that particular process area.

So what we came up with was a plug-in that actually allows you to link things like specific practices and those sub-practices to things like guidelines, concepts, activities and workflows within the Rational Unified Process. And we've also linked tools that will work not only at a specific practice level but also at a specific goal level and a generic goal and generic practice level.

So what we're providing you is the RUP content that will guide you in meeting a specific practice or a specific goal, and then the customer will decide how to use that content. They can use the content as we provide it or they can modify it and they can add their own.

So does anybody have any questions?

I did get a question prior to this from email, and one of the questions was whether or not we are required to choose between the staged or continuous representation. And right now the focus is on the staged representation,

however, you can still use the plug-in to give you an awful lot of good guidance on what you need to do in the continuous representation.

Any other questions?

Angelique Matheny: (Terrence), can you open up the call, please?

Operator: Yes. Your first question comes from the line of (Raj).

Judy Murphy: Okay, (Raj), go ahead.

(Raj): Hi Judy. I wanted to know what tools are required to use the CMMI plug-in.

Judy Murphy: Right now what's required is just the Rational Method Composer. You don't need any other tools whether they're from IBM or another company but at a minimum Rational Method Composer is required. And that's a good segue because Doug will be talking about using this plug-in in RMC.

And before I turn it over to Doug, I would like to ask our audience a question. Does anybody have any CMMI initiatives that they're currently working on or might be pursuing in the future?

(Raj): Judy, this is (Raj), again. I do have one we started up yesterday and would be interested to talk to you and Doug in that regard.

Judy Murphy: Great. You know what we're going to do at the end of this call, we're going to pass on our emails for people to contact us, so we'll go ahead and do that and we'll touch base.

Anybody else?

Operator: Your next question comes from the line of Lynn.

Judy Murphy: Okay, Lynn?

Lynn Brennan: Hi Judy. Does the plug-in require to you choose a stage representation?

Judy Murphy: Yes, it does. You do have to choose the stage representation. However, you can still use this in a continuous representation because we're going to provide you a lot of really good information. And a lot of the things that you have to do for continuous, you have to do for stage. But right now at this point, we're still at Level 2 - at Maturity Level 2.

Any other questions?

Operator: Once, again, to ask a question or to respond to the presenters, press star 1.

Judy Murphy: Okay, Doug, why don't you talk a little bit about RMC?

Doug Ishigaki: Thanks Judy. So, first of all, having a process defined isn't usually an issue for an organization. You know, there are a lot of process definitions available for you to use from a number of sources. You can get ISO standard for software systems development or you can, you know, reference the CMMI process maturity model from (SEI).

In addition, you can also have process guidance that you can get from commercial companies, such as IBM Rational with the Rational Unified Process. And of course, you also may have your own in-house process defined.

I think the bigger issue is how you communicate process effectively in your organization and also on your projects so that your people have process that they can easily access while they're doing their job every day.

And you also need to tailor or customize a process, and for one, every project is different, even if they follow the same process. The size, the resources, the length of the project, work product produced and consumed could all be different.

So also, a process must be continuously improved. Now, all the Rational processes are available and managed by Rational Method Composer. Rational Method Composer is a process management platform which allows you to customize a process from existing processes, such as the RUP and the CMMI content that we've developed and also adapt it to your organization's needs.

You can author the process, you can define tasks, resources, work products, activities and guidance and then Eclipse based offering environment. You can then publish the process in (unintelligible) which will improve communication of your process since it's now accessible over the Web or your internet.

You can also set up content sensitive process guidance tools such as the Rational Software Architect or a Rational Functional Tester, so your team members have process available at their fingertips in their everyday job working in the software development environment.

And also you can define process activities in a work breakdown structure, WBS, which can then track process execution using Rational Portfolio Manager or Microsoft Project. And plus, you can stimulate the process using integration with WebSphere Business Modeler.

Also, Rational Method Composer includes an extensive process library containing, again, processes for many types of development projects. It could be software or systems, global development, service oriented architecture, SOA, asset based or cost development, as well as processes for the enterprise, including portfolio management, governance, compliance. And of course the RUP CMMI plug-in that Judy described earlier is also included in Rational Method Composer.

And finally, the last point I'll make is you can even leverage that - the Composer to create your own process from scratch or create your own process leveraging the bits and pieces from the Rational Process Library.

So (Terrence), let's open up the line for questions.

Operator: Okay. Your first question comes from (Raj).

(Raj): Hey, Doug, is there a trial version available for the plug-in or is it a fully published version?

Doug Ishigaki: Are you talking about the Method Composer - I mean the...

(Raj): CMMI plug-in which you're talking about, is there a trial version or is there a full published version that our client can use this?

Doug Ishigaki: Oh, as far as a trial version versus full?

(Raj): Yeah.

Doug Ishigaki: Okay. Rational Method Composer you can download a trial version and that's available on our Rational - ibm.com/rational/rmc Web site - our external Web

site. Now this trial version is a 30-day trial and it includes a full version of Rational Method Composer, as well as the Process Library, so all the process content you can browse through using the trial version and that includes the RUP for CMMI plug-in.

(Raj): Okay.

Doug Ishigaki: Now, the CMMI plug-in, once you downloaded the trial, you will also need to download the plug-in from developer work.

(Raj): Okay.

Doug Ishigaki: And I'll talk - I'll give you more information on where that is at the end of the call.

(Raj): Okay, sure. And another question that leads from this question is, is this the only plug-in that we have on the CMMI which is basically the RUP CMMI plug-in right, or there is a separate CMMI plug-in only to do with CMMI and nothing related to RUP?

Doug Ishigaki: Yes, we've separated it and that's the beauty of having a process framework of management system is you can separate content. So essentially what we have in the process library is we have a plug-in which defines only the CMMI content. We also have plug-in which has RUP content, and then we have another plug-in which combines the RUP and the CMMI content, and that is the plug-in that Judy mentioned.

(Raj): All right, okay.

Doug Ishigaki: The CMMI compliance plug-in.

(Raj): Thank you Doug.

Doug Ishigaki: Thank you (Raj).

Operator: Once again, to ask a question, press star 1.

There are no questions at this time.

Doug Ishigaki: Okay, so next Judy will talk about some of the work that she's done in mapping Rational tools to the CMMI process area. Judy?

Angelique Matheny: Judy, did we lose you?

Judy Murphy: No, I'm here. Can you hear me now?

Angelique Matheny: Yes.

Judy Murphy: Okay. One of the things that I've done is take a look at all the Rational tools and mapped them to the CMMI process areas. And I actually did that mapping in RequisitePro. And so for those of you who may not know, RequisitePro is our requirements management tool, and I used its traceability capability which allows me to take a particular tool and map it to a process area.

For those people who don't have RequisitePro, I've also generated a report from RequisitePro using our Software Documentation and Automation Tools, SoDA, so I've generated quite a lengthy document that maps - that shows the mapping of each tool to a process area, gives a high level description of the tool and it also provides a length to the tools so you can access the more detailed information about that tool on our Web site.

And at this point as far as I've been able to determine, of the 22 process areas that CMMI mentions, we have a tool that will help you address each one of those tools in some fashion. And in all cases, we have multiple tools that will help you address those process areas.

And eventually in the future I will be taking it down to the specific practice and the specific goals and the generic goals and the generic practice level and adding another level of complexity to another level of detail so you can see exactly what tool will meet the specific practice and the generic practices of CMMI.

And earlier I had a question from, I think it was (Raj) who was asking if tools were required to use this plug-in and I answered no, it's not. However, it's been my experience that what people are looking for is process automation. So even though they can have a process that does what they want it to do, one of the ways that they can enhance this process and achieve greater flexibility and greater reliability is to actually use a tool.

And as I said, we've got all of those tools mapped, so if you're interested in getting that information, that's something that we can make available later on.

Do we have any questions? (Terrence), can you open up the phone lines?

Operator: There are no questions at this time.

Judy Murphy: Okay. The next thing we'll talk about are the services that IBM offers. We actually have a couple of different groups at IBM that can help you with your CMMI initiative. We have a group of CMMI experts that are able to give you CMMI training so they can conduct CMMI training. They can conduct all of

the appraisals, such things as a SCAMPI A, SCAMPI B or SCAMPI C appraisal. They are also capable of consulting and helping you create a process.

So if you need some help in creating, let's say, your requirements management process or your configuration management process, the CMMI group is certainly capable of doing that.

The other group that we have available to help you are the Rational Services Group and that's actually one of the areas I used to work in, and those people are capable of helping you institute tool usage. They're capable of helping you develop your processes. They do tool training and they do process training. So we've got a breadth of experience in the IBM organization that can help you with your CMMI efforts.

Are there any questions about that? Can you open up the lines, please?

Operator: There are no questions.

Judy Murphy: Okay. The other thing that we offer, and Doug will give you some additional information about this, is we've got some plug-ins that are available besides the CMMI plug-in. And one of the plug-ins that I reference in a report that I'm working on is something called Practical Software and Systems Measurement; PSM plug-in.

This is a plug-in that Doug worked on and he'll provide a link for you - for that plug-in later on. And this plug-in allows you to replace the measurement content in the Rational Unified Process with the PSM Measurement Process. And this PSM Measurement Process actually served as a base for the ISO

15939, that's 1-5-9-3-9 standard for measurement process, and it also served as input for the CMMI measurement and analysis process area.

And like I said, Doug is a principal author of that plug-in and we'll provide links to that plug-in later on.

We also have a couple of Rational partner developed plug-ins and these are ready - have been approved as ready for Rational plug-in. One is from Wipro Technology and we'll provide some information on that later on. And they offer an RMC plug-in for RUP CMMI mapping.

And Wipro is a large consulting company and they have worldwide operations. And what this plug-in does is distill the knowledge that Wipro has already gained through their CMMI experiences with their customers who wanted to deploy RUP and CMMI. And to the best of my knowledge right now that this plug-in supports maturity level 2.

We also have another partner plug-in from Quantitative Software Management or QSM. They offer a measurement and estimation plug-in for RMC. And this plug-in supports QSM's measurement and estimation methodology, as well as supports the CMMI process maturity standard.

Now for both of these partner plug-ins, there is a charge, so you would have to work with those partners to access those plug-ins. There is no charge for the PSM plug-in or the RUP CMMI plug-in that we worked on.

Are there any questions about the partner plug-ins? So can you open the lines, please?

Operator: Yes, you have a follow-up question from (Raj).

Judy Murphy: Okay. Go ahead, (Raj).

(Raj): Judy, this is becoming very impressive since my client is looking forward to CMMI implemented using RMC, I've got questions here. The first one is have we ever implemented CMMI using Rational tools, any client examples that you have?

Judy Murphy: Yes, we have. I've actually worked with a customer on and off now for, I guess, the past three or four years on CMMI and I specifically worked on the requirements management process, so we have them using concepts from RUP and then they're using RequisitePro. They're also using Clear Case and Clear Quest and they're now starting to use our test tools.

And we also have some customers in Europe.

(Raj): Okay. This customer basically following the - implementing of CMMI plug-in or are they just simply CMMI using Rational tools?

Judy Murphy: They're CMMI using the Rational Tools. The plug-in is something that's new. It wasn't around when I started working with them.

(Raj): All right. My second question is regarding the partner plug-in. Like what's the difference between this Wipro plug-in and our plug-in; RUP for CMMI?

Judy Murphy: Well the Wipro plug-in actually supports up to CMMI Level 3. Right now our plug-in - our internal plug-in only goes to Level 2. And there is a charge for the partner plug-in and there's no charge for our plug-in.

(Raj): Okay, so the charge - basically our plug-in comes with a tool.

Judy Murphy: Say that again.

(Raj): Our plug-in comes free with our RMC, if I understand correctly

Judy Murphy: Yes, yes.

(Raj): Okay, thank you very much.

Judy Murphy: Yes, that's correct.

Any other questions?

Operator: There are no further questions.

Judy Murphy: Okay. The other thing that we're interested in is we are looking for any customers that would be willing to work with this on the plug-in and enhancing this and growing it. We know that we need to expand to other process areas.

Now we know that we need to improve what we have out there, so we are looking for customers who are interested in working with this - working with us on this plug-in and we'll give our contact information later on and we'll also take that conversation offline.

Another question that came in via email is someone wanted to know what the difference is between the PSM and QSM plug-in. So Doug, can you address that?

Doug Ishigaki: Yeah, Judy. So essentially, a PSM plug-in is tightly integrated with RUP. What that really means is, you know, RUP comes with some measurement process guidance, but I'd have to say that it is pretty light.

So PSM - with the plug-in for PSM, we - you can replace the measurement content in the RUP with the PSM content and that includes directions or activities for the measurement process, as well as some sample measures and leading indicators what you might want to measure in a software or systems development project.

QSM plug-in is based on their methodology for measurements and estimations. And it's supported by their tools which is the SLIM Suite of tools.

Now one thing that QSM has that's a bigger improvement over what's in the RUP and PSM is the estimation part. QSM is well known for their estimation methodology and their estimation tools. So, I would recommend is estimation is very important you take a look at QSM plug-in.

Angelique Matheny: Looks like we're reaching the bottom of the hour. Did we want to go into a wrap-up now?

Doug Ishigaki: Okay. So before we sign off, we'd like to mention where you can go for more resources. So for the - we mentioned the RUP for CMMI plug-in, you can download that plug-in from ibm.com/developerwork/rational/products/rup. So that plug-in is available. You have to have method composer installed and then you can import the plug-in into Method Composer.

Also under the Method Composer area in developer work is another download section for all the Rational Method Composer 7.2 plug-in, so here you will

also find the PSM plug-in, as well as links to the Rational partner developed plug-ins. So from that download page, there is a Ready for Rational Plug-in central link to download the Wipro plug-in, as well as - well actually not download, but get more information for the Wipro plug-in, as well as the QSM plug-in.

In addition, stay tuned as we'll have a flash demo coming out very soon showing you a lot of the things that we talked about today. And this will be made available on our external Web site on ibm.com/rational/rfp.

Judy, do you have any closing remarks?

Judy Murphy: No. I'd just like to thank everybody for attending, and if you have any other questions about the plug-in, you can contact me at jmurphy2@us.ibm.com and the number 2, so it's jmurphy2@us.ibm.com. And if you have customers or you are a customer who's interested in getting more information about the plug-in or participating in helping us enhance it, please don't hesitate to contact me.

Angelique Matheny: Well, thank you very much both Judy and Doug. This was a very valuable session and we appreciate you sharing your knowledge and experience on today's topic. There's a lot coming out it sounds like.

If you would like to listen to this conference again or share it with your colleagues, this will be made available for replay in MP3 format. Check out the Rational Talk's View Page at ibm.com/rational/talks over the next few days.

This link also includes the other title in this series. So mark your calendar and be sure to register for our next talk on Thursday, December 6 at 1:00 pm

titled, Being Agile in a Global Development Environment with Scott Ambler and Khurram Nizami.

I'd like to thank our speakers today, Judy Murphy and Doug Ishigaki for being with us to talk about managing Rational Unified Process based CMMI initiatives. Say that three times fast. So thank you very much, Doug and Judy.

Judy Murphy: Thank you.

Angelique Matheny: We would also like to thank you, our audience, for your interest in IBM. We hope to see you back for another one of our events in the near future. Thank you very much. Talk to you soon.

Operator: This concludes today's Manage RUP-Based CMMI Initiatives Conference Call. You may now disconnect.

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