

# **Agenda**



- About Us
- About Visteon
- **IREB**
- IREB/IIBA Certificates Comparison
- **RE Role in Visteon**



### **Hristina Daneva**













# **Dimitar Popov**















### **Visteon Electronics**



#### About Visteon

- 2001
- 11,000 employees
- 50 offices in 19 countries
- Automotive SPICE® compliant

#### Customers





















#### Products



### **IREB**



Overview



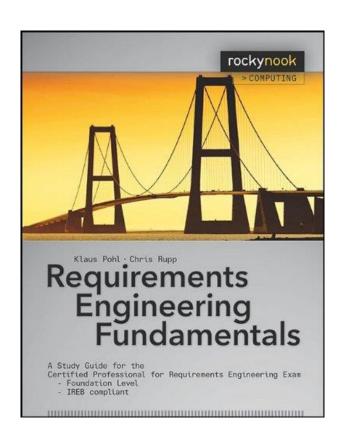
#### Members and Chapters

#### Mission of the Organization

- Provide a certification model with syllabi and exams to foster further education within requirements engineering
- Facilitate communication efficiency by using the same "language"
- Promote requirements specifications that are less defective

### **IREB FL Preparation Book Chapters**





- Introduction
- System Scope Context
- Eliciting Requirements
- Documenting Requirements
- Documenting Requirements in Natural Language
- Model-based Requirements Documentation
- Requirements Validation and Negotiation
- Requirements Management
- Tool Support

### **IREB Certificates**



### **Certified Professional for Requirements Engineering**

#### Foundation Level

 Recognized by the British Computer Society as an equivalent to the BCS Certificate in Requirements
 Engineering and by IIBA as an as an equivalent to CCBA

#### Advanced Levels

- Requirements Elicitation and Consolidation
- Requirements Modeling
- Requirements Management
- **Expert Level** (planned for 2016)



# **Certificates Comparison**



	<b>CPRE Foundation</b>	Advance Levels	ССВА	СВАР
Number of Certified Worldwide	22861	Confidential	790	5835
Experience Requirement	none	CPRE Foundation Level required	3,750 hrs; minimum 900 hrs in 2 of 6 knowledge areas or 500 hrs in 4 of the 6 knowledge areas	7500hrs; minimum 900 hrs in 4 of 6 knowledge areas
Professional Development Requirement	none	none	Minimum 21 hrs over last 4 years	Minimum 21 hrs over last 4 years
Reference Requirement	none	none	yes	yes
<b>Examination Fee</b>	150-220 EU	650 EU	\$450	\$450
<b>Application Fee</b>	none	none	\$125	\$125
Renewal Fee	N/A	N/A	No	No
Recertification Requirement	No	No	Yes	Yes
Certification Exam	45 questions, 75 minutes Knowledge and application	Multiple Choice exam 75minutes, homework approx. 2 days effort within 1 year after MC test passed	150 questions, 3.5 hrs Knowledge focus	150 questions, 3.5 hrs Knowledge focus and application focus
Need to be a member of the organization	No	No	No	No
<b>Preliminary Interviews</b>	No	No	No	No
Confirmation of technical degree	No	No	No	No

# **IIBA Multi-Level Competency Certification**



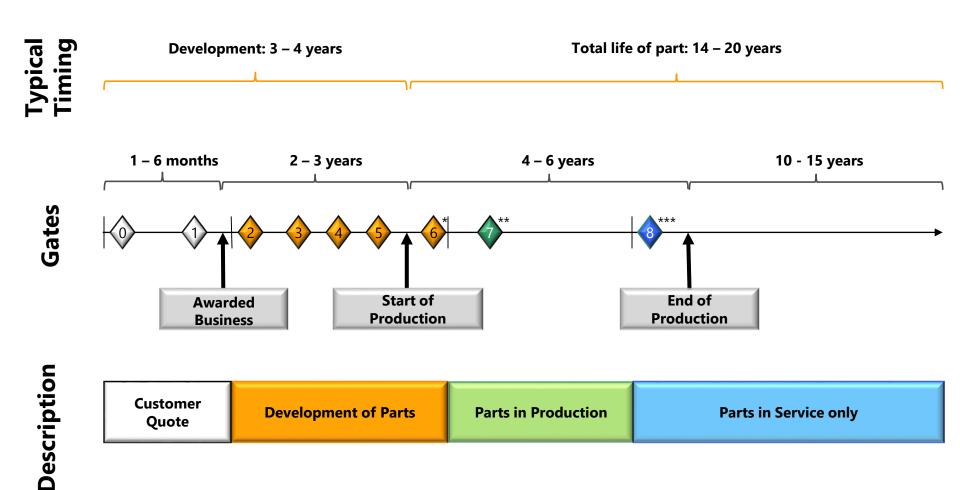




- **Level 1** entry level BA Professionals
- **Level 2** requires 3,000-4,500 hours of experience. **CCBA®**
- **Level 3** requires 7,500-10,500 hours of experience and is also exam based. **CBAP®**
- **Level 4** requires a minimum of 15,000 hours of experience. Will be assessment based.

### **Visteon Product Lifecycle**





\*Gate 6: Starts typically 90 days post SOP \*\*Gate 7: Starts typically 18 months post SOP \*\*\*Gate 8: Starts typically 6 months prior to EOP

## **Cluster + Infotainment Project**



**108 Features** 

3 Lead System Engineers (Scope & Planning)

**261 Change Requests** 

4 years (MY17)



22 System Engineers (Feature details)

Stakeholders on 3 continents

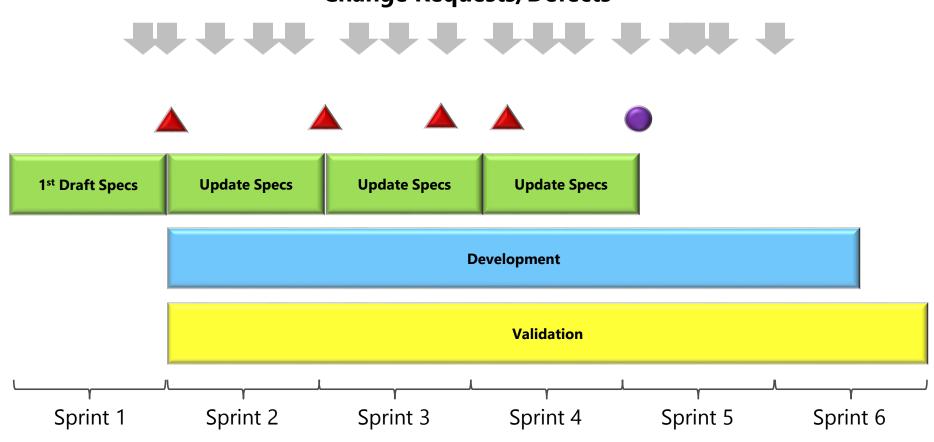
Specification consists of 2 documents

DOORS, OPL, Rational Team Concert

## **Cluster + Infotainment Project**







# **Cluster + Infotainment Project**



#### DOORS

Template for Feature Specification Specs	_i_ObjectType	_i_SkillAllocation	_i_PRJ_State	_i_PRJ_Iteration	_i_VerificationSkill	_i_SafetyInteg
☑ If "priority 1 mute" attribute is set and message type is acoustic only or asynchronous acoustic, the AH Service shall Mute all active Audio Sources.  Note: Refer to SysRS_WIM-IC-Specification_Model for more details	Entry	SW	New	E004	System Validation	
☑If "priority 1 mute" attribute is set and message type is warning or operation rsponse with synchronous acoustics, the AH Service shall Mute all active Audio Sources.  Note: Refer to SysRS_WIM-IC-Specification_Model for more details	Entry	SW	New	E004	System Validation	

### Open Issues List

1	2	3	4	5	0	1	0	9	IU
٩	Open Date	Reviewer	Reviewed Baseline	Requirement ID	Description	Answer / Discussion	Priority (HIGH, MID, LOW)	State	Comment
			¥		<u> </u>				<u> </u>
FeatureName_1									
→ Pa	rtner Events	History	Open Issu	es, Discussi	ions (+)			1	

### **Infotainment Project**



**47 Features** 

6 Lead System Engineers (Scope & Planning)

**123 Change Requests** 

2 years (MY14)



6 System Engineers (Feature details)

Stakeholders on 3 continents

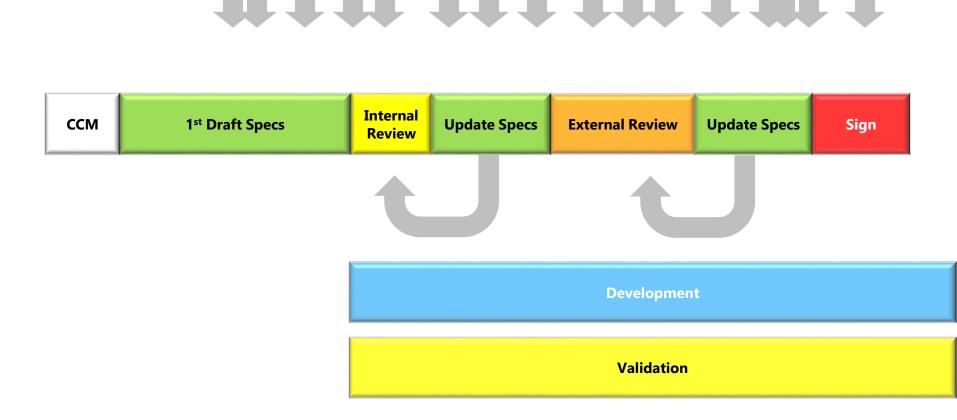
Specification consists of 3 documents

DOORS, JIRA, Rational Team Concert

# **Infotainment Project**







## **Infotainment Project**



#### DOORS

Requirement ID	ObjectType	Section 4 Module							_i_Paragraph Style Product	_i_MY15CMU_State	_i_MY15CMU_PFS	_i_ ObjectText	Comment
SR_USBAUDIO- 333	Heading / Info	1.1.8.6 Com	ımon Reqi	uirement	s				MY15 MY16	N/A	Υ		
SR_USBAUDIO- 872	Entry	¥If a umass device is connected, the CMU shall exclude a folder from cataloging if the folder and its subfolders contain no playable audio files.						ging	MY14 MY15	Dropped	Y		
SR_USBAUDIO- 910	Entry	Depending on the device type the CMU shall allow navigation by the following categories:					ng	MY15 MY16	Modified	Υ	TRANSLATE	SW00169019	
SR_USBAUDIO- 1329						Cate	egories		MY15 MY16	Modified	Υ	TRANSLATE	SW00169019
		Device type	Playlist	Artist	Album	Song	Genre	Pod					
		iPx	Yes	Yes	Yes	Yes	Yes	١					
		UMASS/MTP	Yes	Yes	Yes	Yes	Yes						

#### UI Spec

USBAudio Sub Screen: N/A PFS Reference: SR\_USBAUDIO-562 UI Flow: Top Level

#### Visual Reference Image



#### UI Notes

01 Root Menu: The title of the USB device.

02 USB Features List: USB Audio has 8 features USB

During Background Cataloging, several of the USB Audio features may be greyed out until Cataloging completes. During Cataloging, an indeterminate meter will appear next to the Root Menu Title.

- Playlist
- Artist
- Albums
- Songs
- Genre
- Audiobook

#### **Event Manager**

Screen	Transit	tion Events					
RefID UID Mode		Mode	Event Desc	Condition	Result	Destination Screen	
T1	401	Touch	Touch left arrow			NovPlaying	
T2	402	Multicontroller	Tilt left			NowPlaging	
T3	403	Touch	Touch playlist in list			Playlists	
T4	404	Multicontroller	Select playlist in list			Playlists	
T5	405	Voice	Say "Playlist"	User intent is Browse; Device is ready	Show all playlists	Playlists	
T6	406	Voice	Say "Playlist"	User intent is Play; Device is ready	Show all playlists	Playlists	
T7	407	Touch	Touch artist in list			Artists	
T8	408	Multicontroller	Select artist in list			Artists	
T9	409	Voice	Say "Artist"	User intent is Browse; Device is ready	Show all artists	Artists	
T10	410	Vaice	Say "Artist"	User intent is Play; Device is ready	Show all artists	Artists	
Tff	411	Touch	Touch album in list			Albums	
T12	412	Multicontroller	Select album in list			Albums	
T13	413	Yoice	Say "Album"	User intent is Browse; Device is ready	Show all albums	Albums	
T14	414	Voice	Say "Album"	User intent is Play; Device is ready	Show all albums	Albums	
T15	415	Touch	Touch song in list			Songs	
T16	416	Multicontroller	Select song in list			Songs	
T17	417	Voice	Say "Song"	User intent is Browse; Device is ready	Show all songs	Songs	
T18	418	Voice	Say "Song"	User intent is Play; Device is ready	Show all songs	Songs	











