

A103-Introduction to ITS Standards Requirements Development Webinar Chat Transcript

Date: May 24, 2011 at 2:00-3:34 p.m. ET

Learning Assessment 1: Who are stakeholders? View from slide 5.

Answers:

Yes
Yes
Yes
Yes
Absolutely

Learning Assessment 2: An example of user need

Answers:

Validation = did we build the right system
Apartments

QUESTION:

What about Pedestrian (Ped) Buttons?

Learning Assessment 3: The Relationship of User Needs to Requirements- 5.1.20 Audible Noise Level

Answer:

Yes. It does not tell you how to limit the noise.
No solution

Learning Assessment 4: It is said that user needs identify the high-level _____ of the system?

Answer:

What

Learning Assessment 5: There are different relationships between needs and requirements which one comes next from slide 20.

Answer:

Many to one

Learning Assessment 6: An example requirement for the Limit Audible Noise User Need
Ask the audience to identify the parts of the well formed requirement. What is the action here?

Answer:

"The system shall be user-friendly' = un-testable
Emits
Emit an audible noise

Learning Assessment 7: An example requirement for the Limit Audible Noise User Need
Ask the audience to identify the parts of the well formed requirement. What is the target here?

Answer:

Audible noise
Meter
Audible noise

Learning Assessment 8: An example requirement for the Limit Audible Noise User Need. Ask the audience to identify the parts of the well formed requirement- constraint

Answer:

Noise level of 55 dba
55 dba
Exceeding a peak level of 55 db

Learning Assessment 9: An example requirement for the Limit Audible Noise User Need. Ask the audience to identify the parts of the well formed requirement- Localization

Answer:

Measured at a distance of 1 meter
One meter
1 meter
1 meter away

Learning Assessment 10: In order to verify that a requirement is correct we can examine it individually by using the criteria we spoke of earlier. Is this necessary?

Answer:

maybe
yep
yes
yes
yes

Learning Assessment 11: In order to verify that a requirement is correct we can examine it individually by using the criteria we spoke of earlier. Is this concise?

Answer:

yes, certainly
yes
yes
yes
yes

Learning Assessment 12: An example requirement for the Limit Audible Noise User Need. Ask the audience to identify the parts of the well formed requirement- Consistent

Answer:

Yes, can be tested
Consistent with what? by itself it is
With what?
I think it depends

Learning Assessment 13: An example requirement for the Limit Audible Noise User Need. Ask the audience to identify the parts of the well formed requirement- Unambiguous

Answer

yes
yes
yes
yes
yes

Learning Assessment 14: An example requirement for the Limit Audible Noise User Need. Ask the audience to identify the parts of the well formed requirement- Verifiable

Answer:

Yes
Yes, it's testable

Learning Assessment 15: It is said that requirements define the detailed _____ of the system

Answer:

how
how
what (Needs).
what
what

Learning Assessment 16: Verifying Requirements are correct-Is it well-formed. Why might this be ambiguous

Answer:

TCO
TCO
Acknowledge
Acknowledge the receipt
Acknowledge
Notification
Acknowledge
Alert notification
Notification receipt of AA
Receipt of an amber alert

Learning Assessment 17: In order to verify that a requirement is correct we can examine it individually by using the criteria we spoke of earlier. Is this ambiguous?

Answer:

Yes
Maybe depending on other requests
Ambiguous (How is acknowledgement to be conducted? Email vs. Phone)
It's not unambiguous, because there are no time constraints
Acknowledge to whom?
It is verifiable, but how long do you have to wait for the acknowledgement?
"Extreme" is not quantified.

**Learning Assessment 18 : What is inconsistent about this need and requirement? Slide 42
Need-to-Requirement Logical Consistency**

Answer:

Not consistent: Need speaks of operational need, while the requirement speaks of 'storage'
Requirement only talks about the temperature, but the needs also mentioned about humidity
Storage?

**Learning Assessment 19: What is inconsistent about this need and requirement? Slide 44
Requirement Consistency- Does it have to do with AC and DC?**

Answer:

Operating Voltage
ac and dc
Modules vs. Switch Packs
Nominal and HZ?
Switch Packs = modules
Define "nominal"
What is low voltage

Learning Assessment 20: What kind of relationship is this?

Answer:

1 to 4
one to many
1 to many

COMMENT:

Nice summary for lesson.