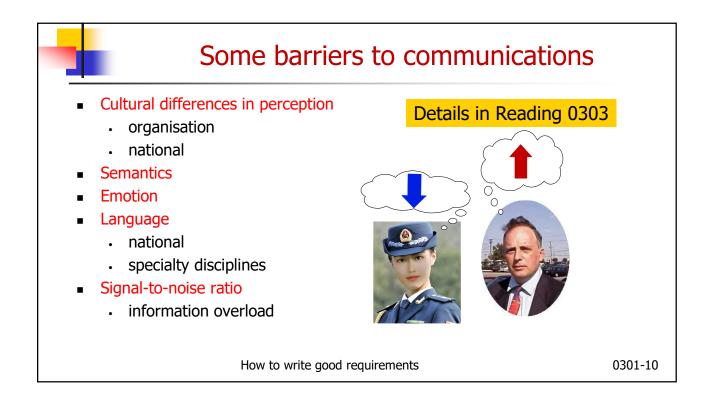
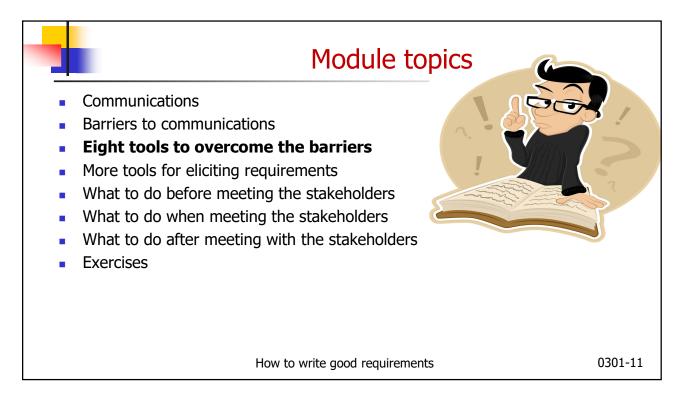
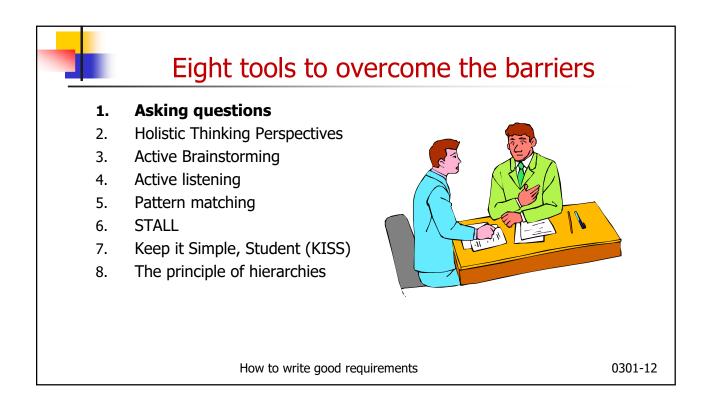
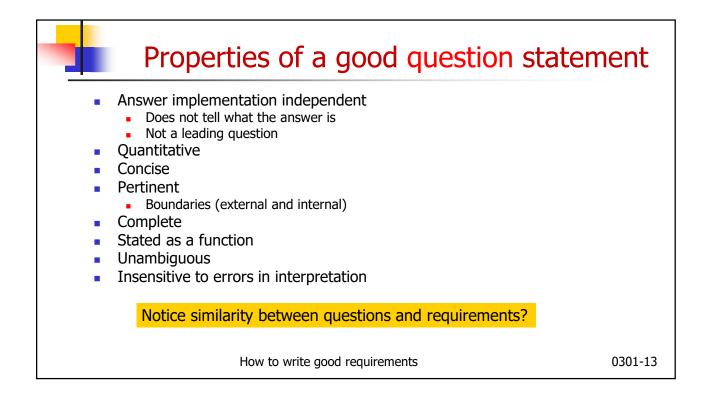


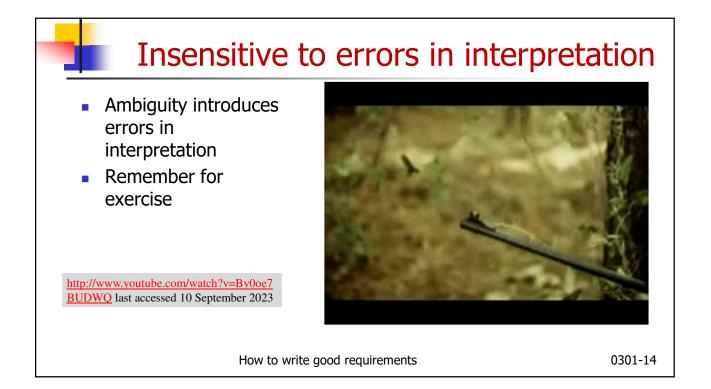
Module topics Communications **Barriers to communications** Eight tools to overcome the barriers More tools for eliciting requirements What to do before meeting the stakeholders What to do when meeting the stakeholders What to do after meeting with the stakeholders Exercises How to write good requirements 0301-9

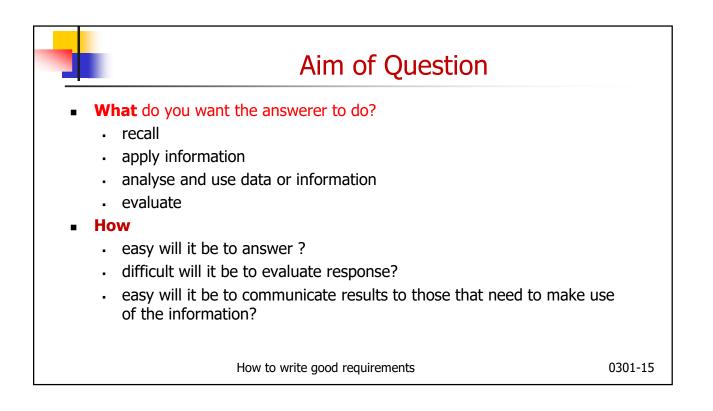


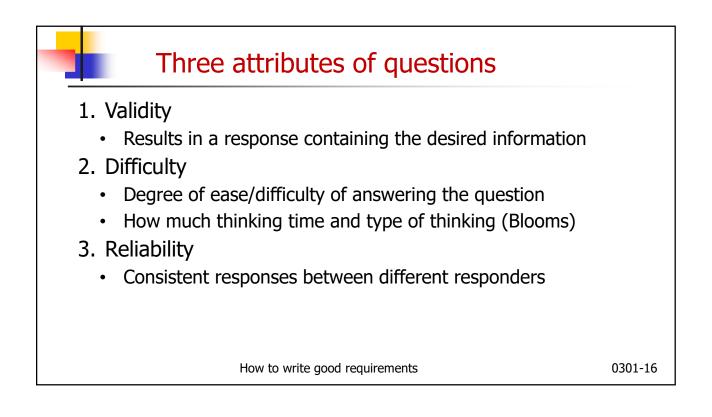




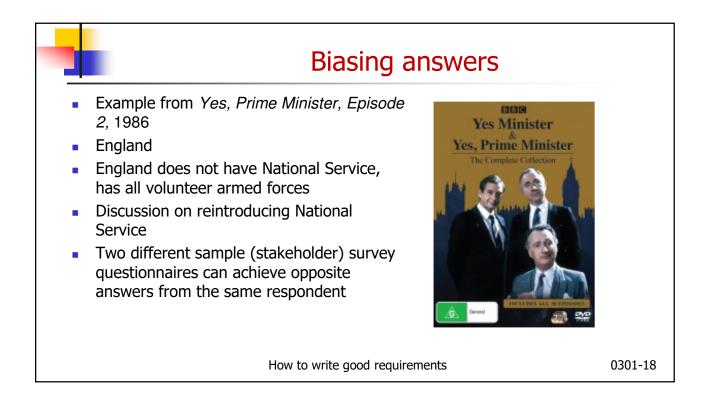


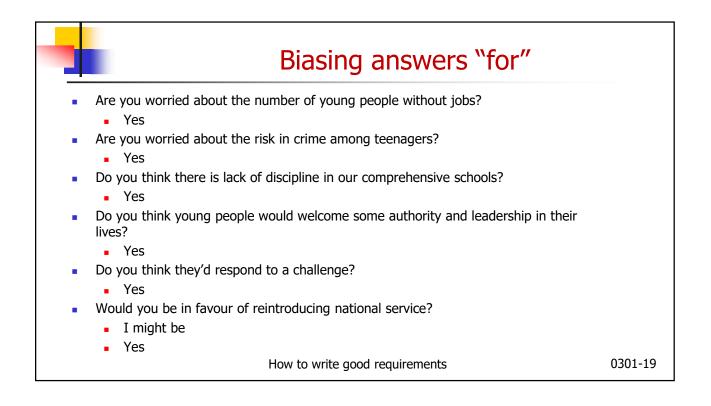


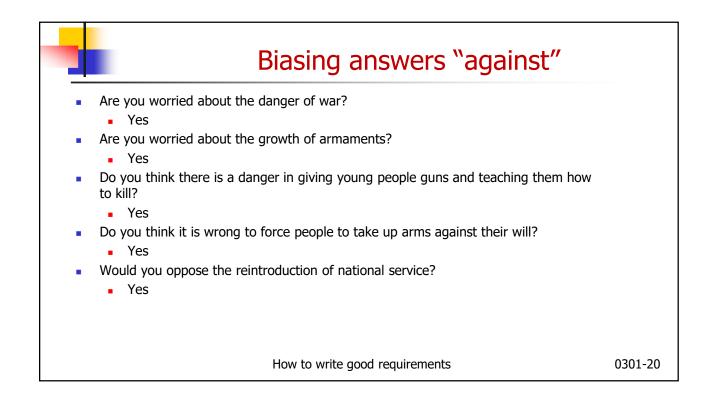


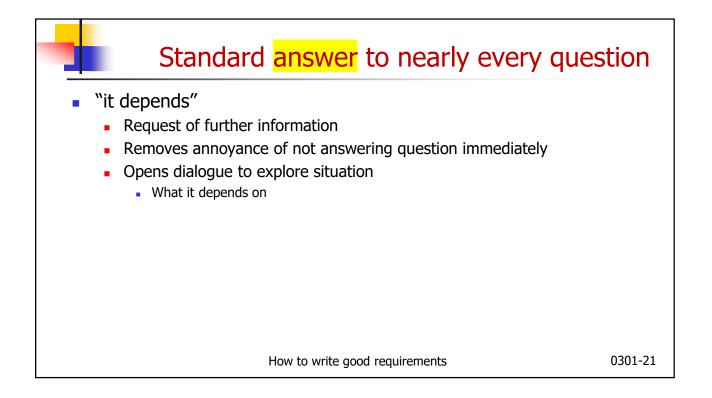


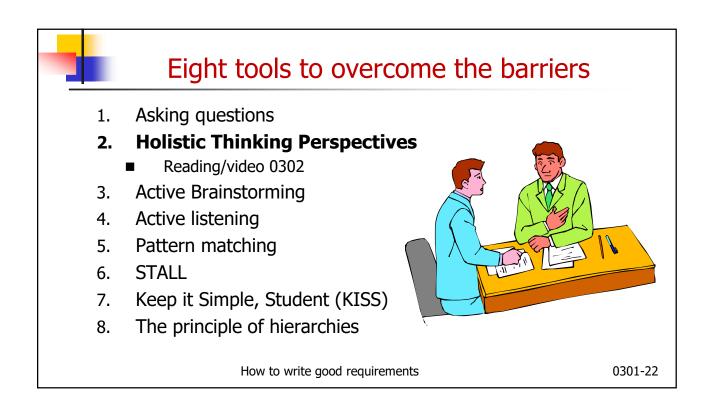
Tips for asking questions	
 Be clear and concise Use only one main idea/concept Be as brief as possible Don't bias answers (see next slide) Use correct grammar Be consistent Clarify responses using Active listening techniques (coming up) Orthogonal questions Second question from different perspect STALL (coming up) Give recipient adequate time to respond 	Notice similarity between questions and requirements?
How to write good requirements	0301-17

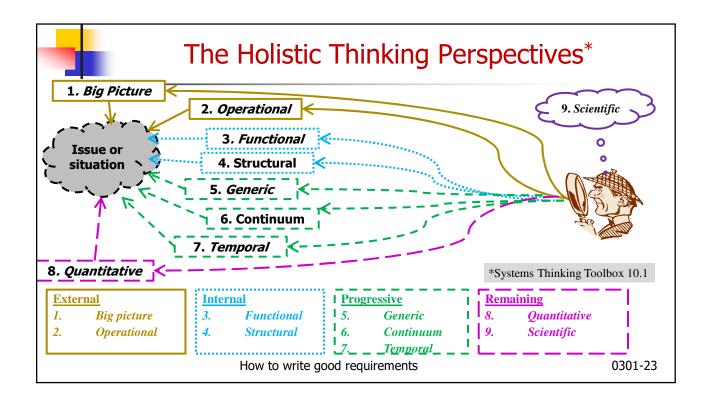


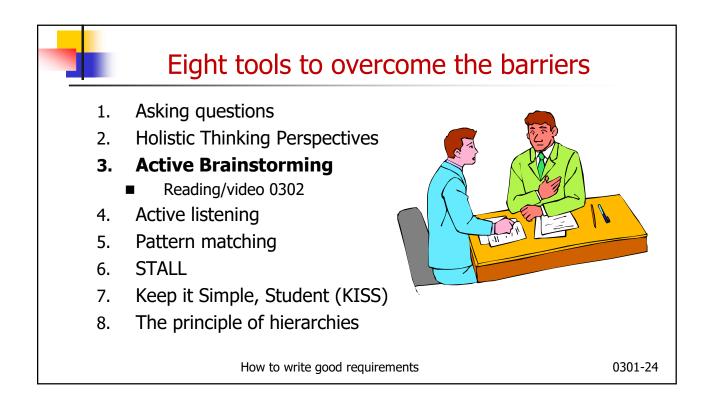




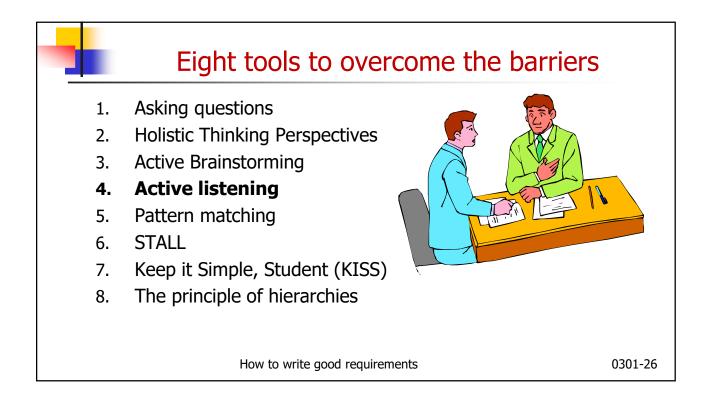


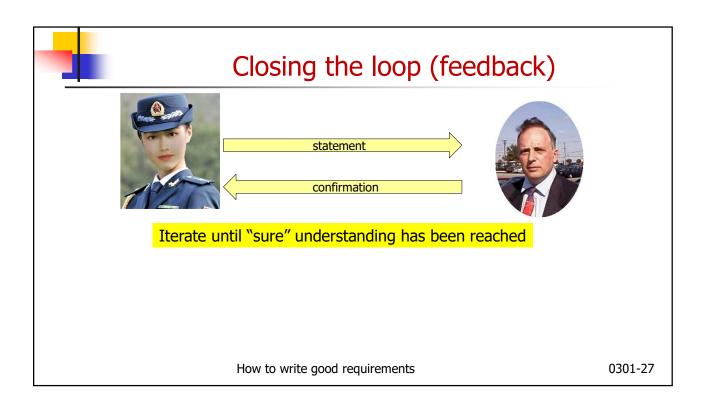




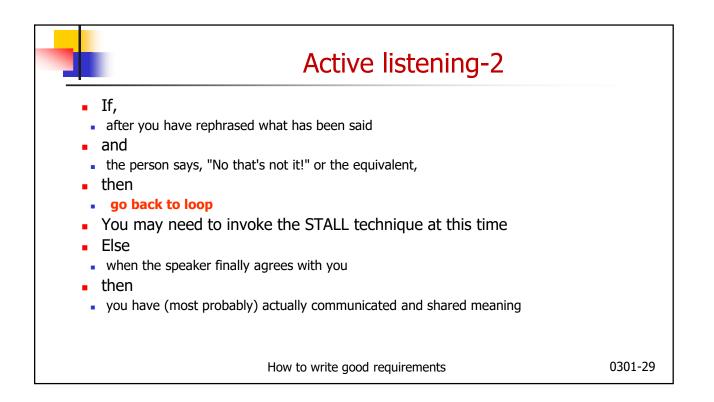


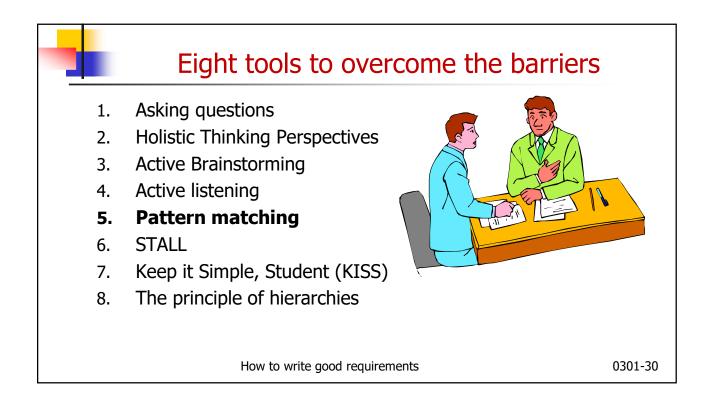
Use Active Brainstorming after flow of initial set of ideas stops (updated) Start a brainstorming Module Don't interfere with initial free flow of ideas Capture ideas to whiteboard/software When initial idea flow stops, begin Active Brainstorming Don't tell people you are using Active Brainstorming to think up the questions Capture ideas to whiteboard/idea capture software Don't force ideas into HTPs during active brainstorming Do it later as appropriate How to write good requirements 0301-25

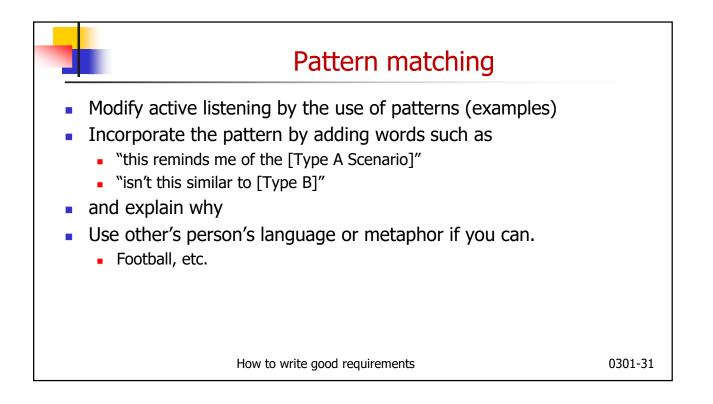


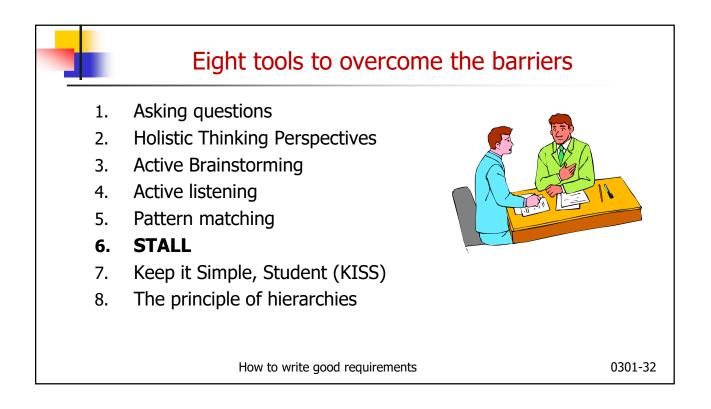


	Active listening-1	
	 When the other person speaks give them your full attention and look them straight in the eyes 	
	 Begin iteration loop 	
	 Listen to everything the other person says and try to understand it fully 	
	 Ask questions to clarify anything you don't understand and analyze the response 	
	 Rephrase what you have heard in your own words and ask the speaker if they meant what you are about to say 	
	 "if I understand you, then" 	
	• "Do you mean"	
This is the principle of applying feedback		
	How to write good requirements	0301-28

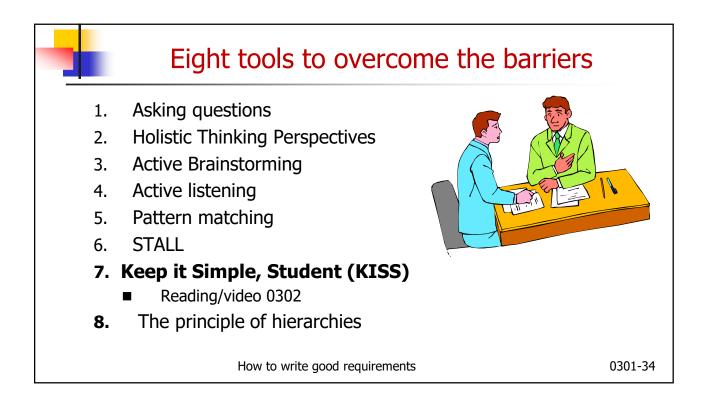


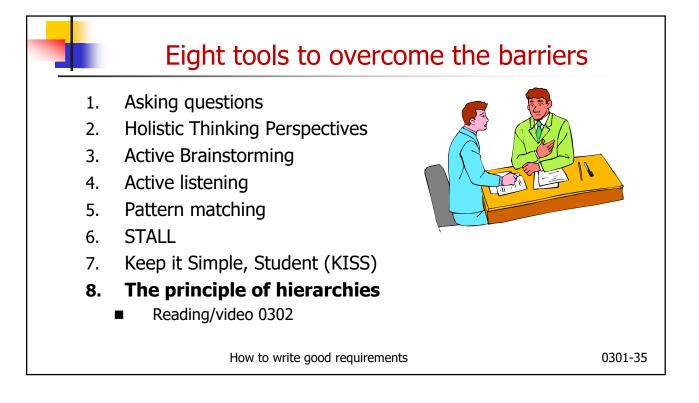


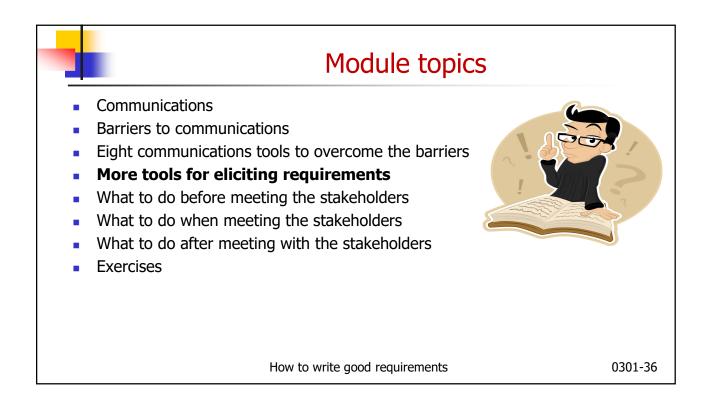


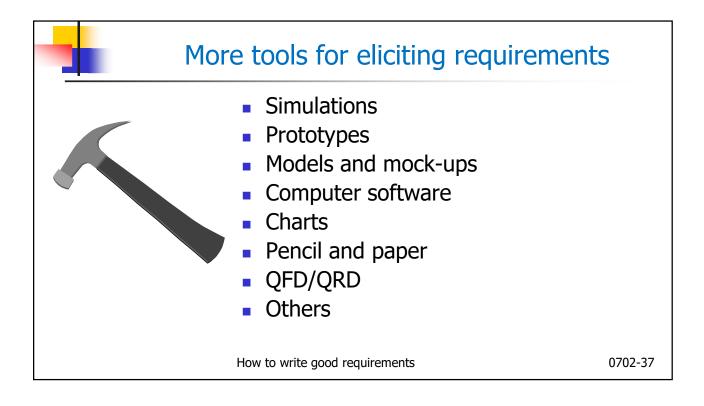


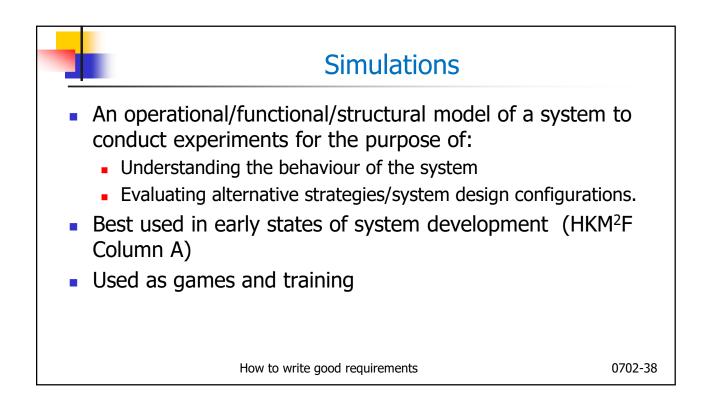


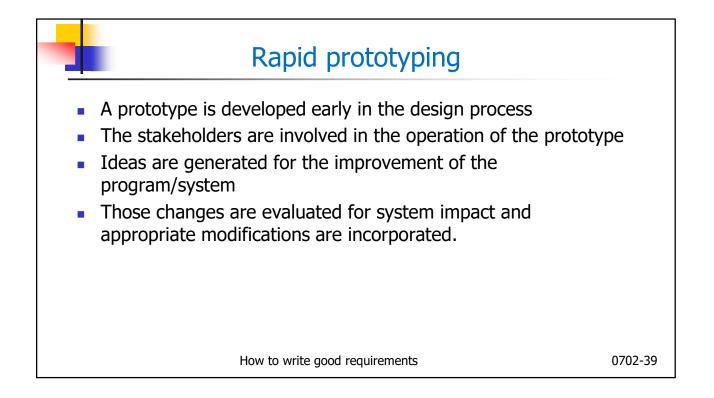


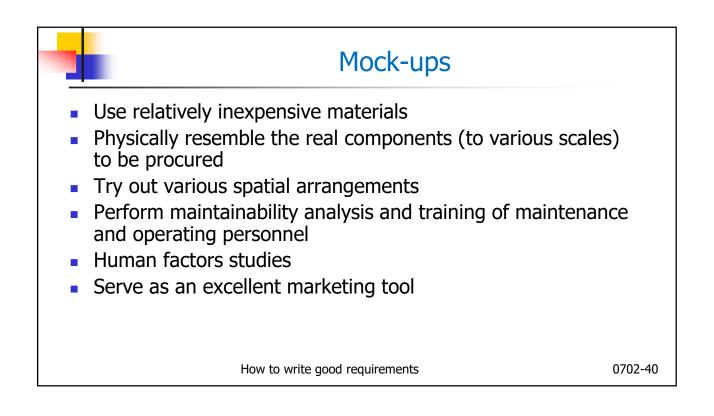


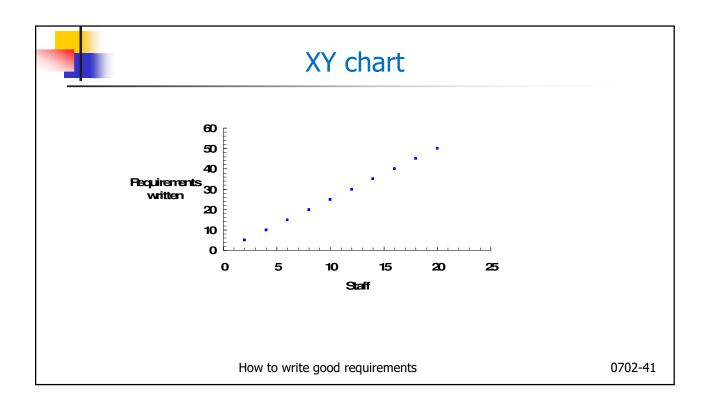


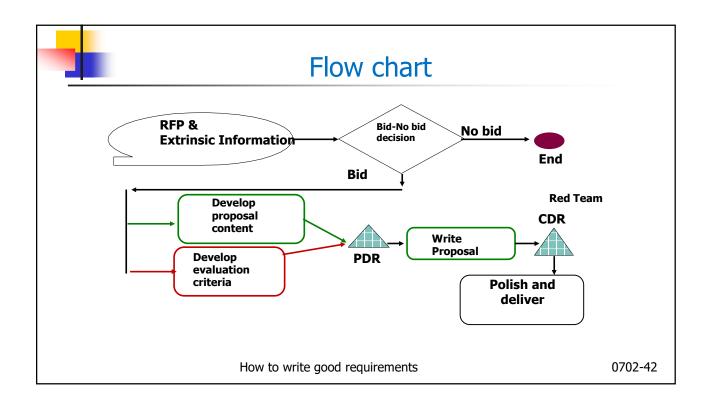


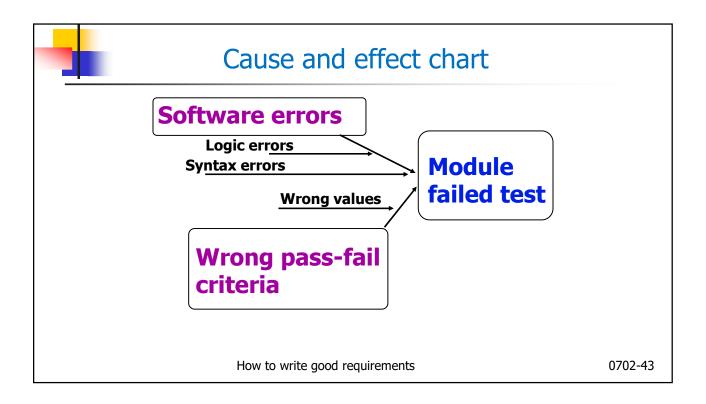


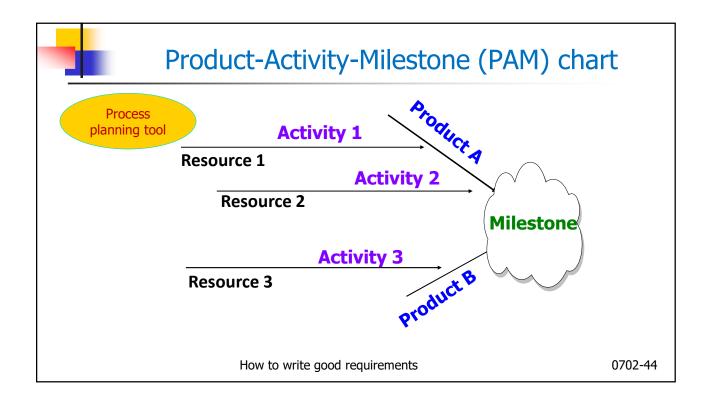


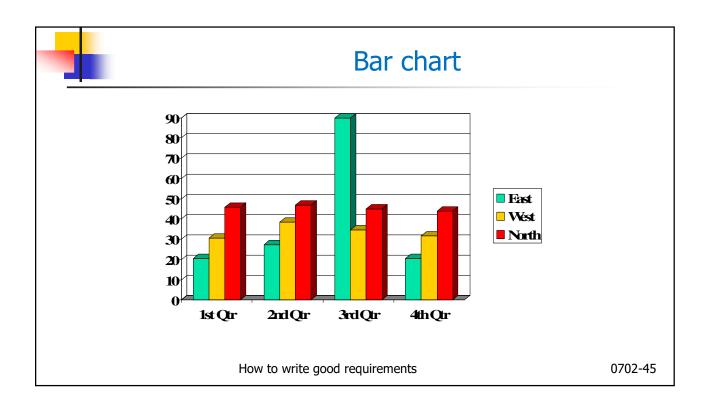


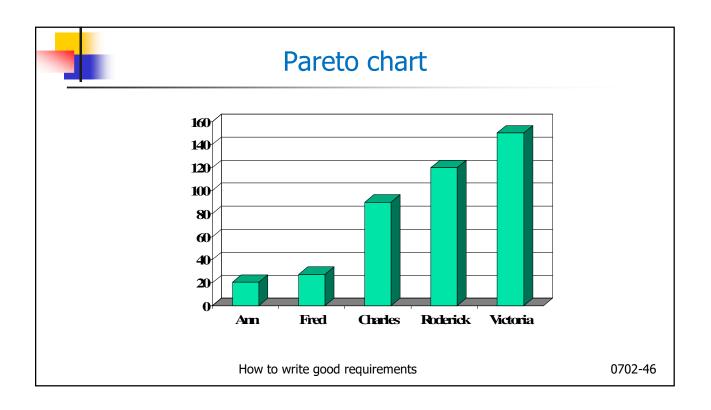


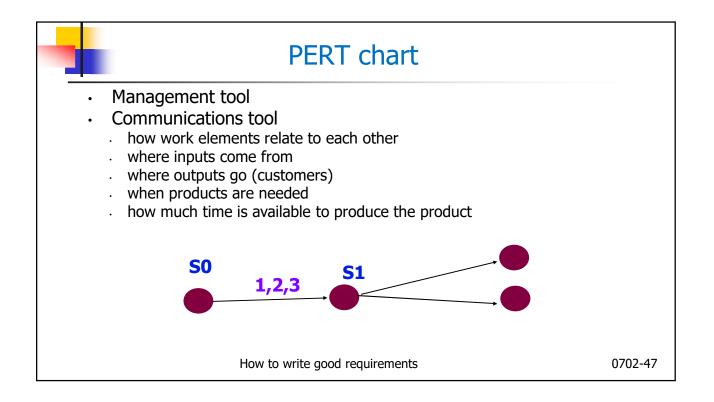


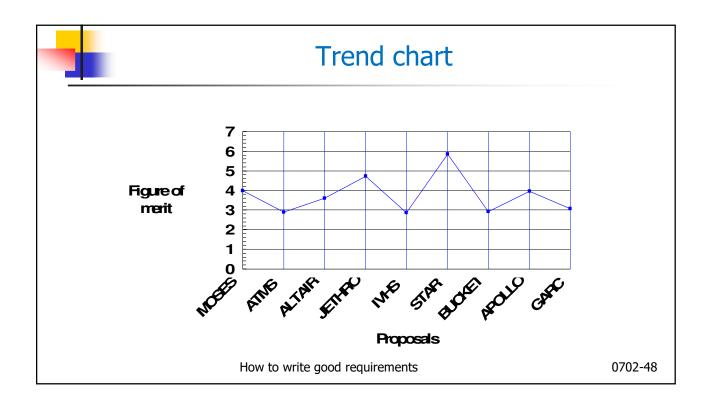


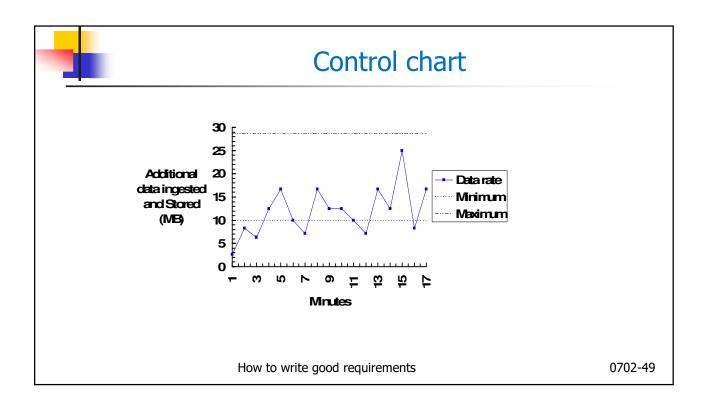


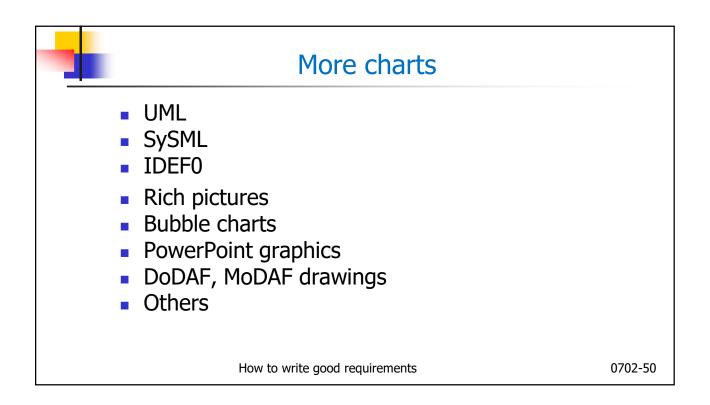




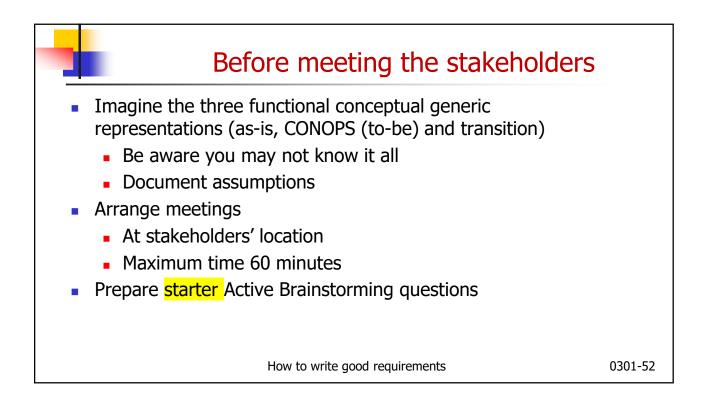


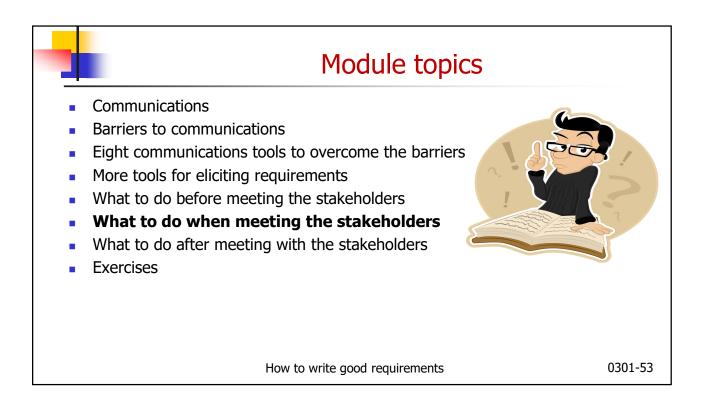


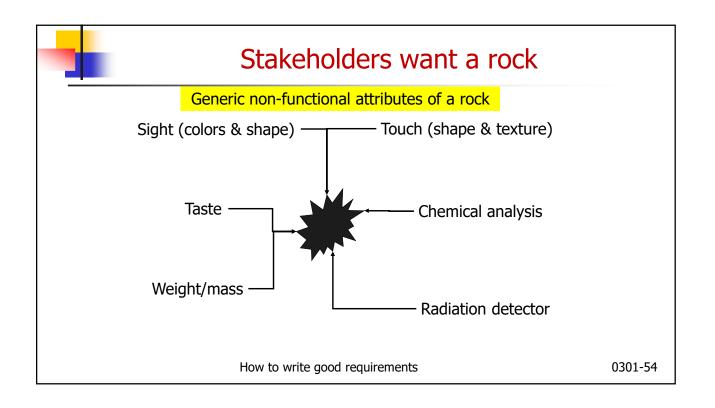




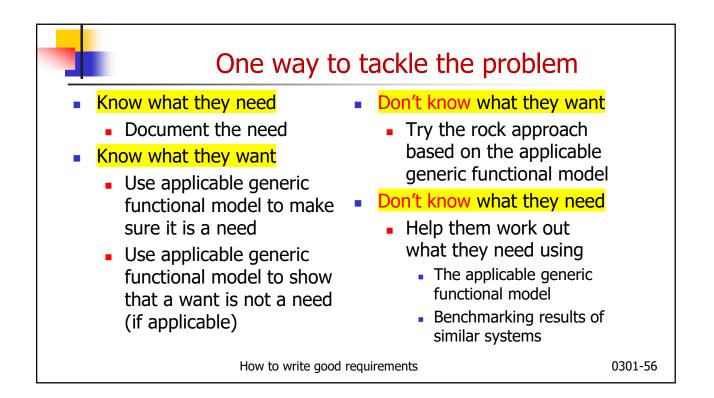
Module topics Communications Barriers to communications Eight communications tools to overcome the barriers More tools for eliciting requirements What to do before meeting the stakeholders What to do when meeting the stakeholders What to do after meeting with the stakeholders Exercises How to write good requirements 0301-51







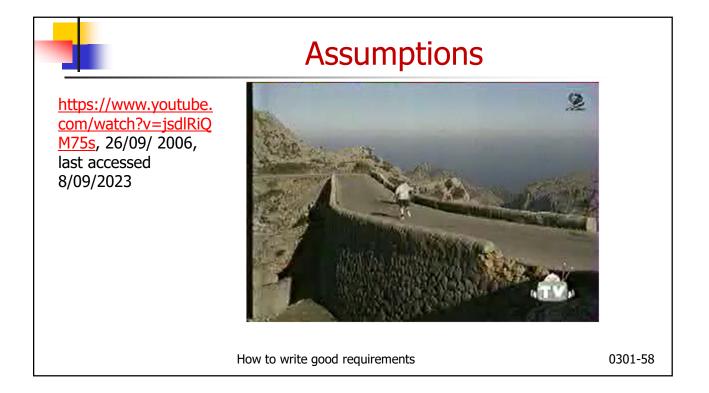
Needs, wants and problems					
 Difference between 1. What stakeholders <u>want (ask for)</u> 2. What stakeholders <u>need</u> 3. What stakeholders <u>tell you</u> 					
Stakeholders		Know what they need Yes No			
Know	Yes	Well-structured problem	No Ill-structured problem		
what they <u>want</u>	No	Ill-structured problem	Well-structured problem'		
How to write good requirements 030					



When meeting the stakeholders

- Speak the customer's language
- Focus discussion on area of interest of stakeholder
- Discuss other areas if stakeholder mentions them
- Hold a conversation not an interrogation
- Use the more than eight tools to overcome barriers to communications
- Ask the stakeholders what they want (ask for)
- Ask the stakeholders what they would wish for
- Ask why they need it
- Ask how they will know when the need is met
- Compare what they ask for with the conceptual generic system
- Explain wants that do not show up in the conceptual generic system
- Clarify assumptions

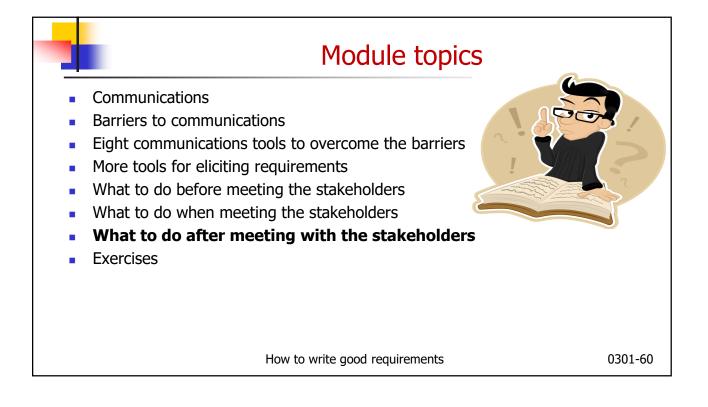
How to write good requirements



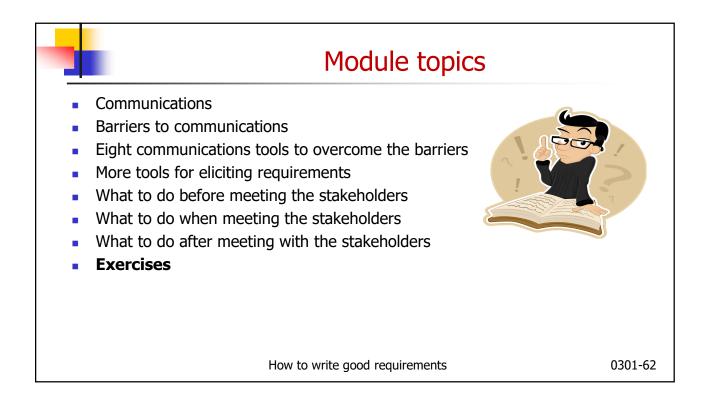
When meeting the stakeholders Ask would happen if it (the want) wasn't in the system Get details Watch out for exaggeration Ask the applicable stakeholders what they would change in the current system (not what is wrong with the current system) Use the draft CONOPS to suggest needs the stakeholder does not ask for When conversation lags, use draft CONOPS to ask, the prepared Active Brainstorming questions "would you like ...?" "do you want ...?"

 If a contradiction between a want and another stakeholder's want occurs, explore/explain the contradiction

How to write good requirements



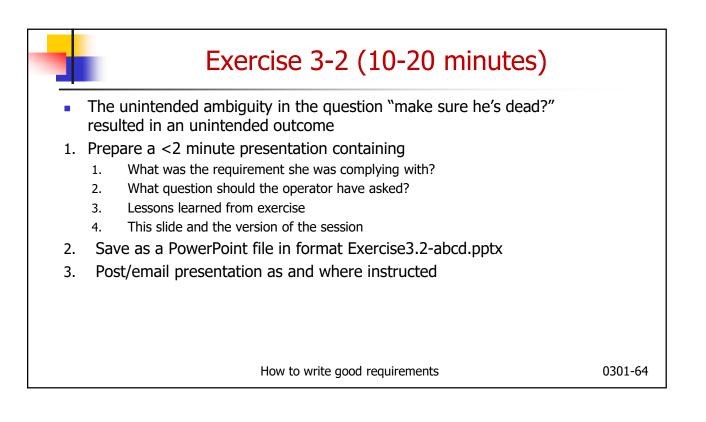
After the meeting	
 For each want, document An identification number for traceability Who wants it and other information from Module 2 Why they want it (reason, rational) What the benefit of having it is to other stakeholders (if any) Thank them for the meeting Use the "thank you" tool Share the findings Ask for a second meeting if necessary to clarify Unresolved issues Remaining conflicts Any other outstanding matter 	
How to write good requirements	0301-61



Exercise 3-1

- 1. Select one generic stakeholder from each of the three situations from Exercise 2-1.
- 2. Craft at least 5 questions for each stakeholder to be met
- 3. Assume you met the specific instance of the generic stakeholders
- 4. Document the information you recorded after meeting with each of the stakeholders and asking the questions (assume reasonable feasible answers)
- 5. Prepare a <5 minute presentation containing
 - 1. The generic stakeholders and why you selected them
 - 2. The questions you prepared for each of the three stakeholders
 - 3. The documented responses from one of the stakeholders
 - 4. A compliance matrix for the exercise
 - 5. Formulated problem per COPS problem formulation template
 - 6. Lessons learned from exercise
 - 7. This slide and the version of the session
- 6. Save as a PowerPoint file in format Exercise3.1-abcd.pptx
- 7. Post/email presentation as and where instructed

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Exercise 3-3 knowledge reading

- 1. Prepare a brief on two main points in reading 0302 (< 5min)
- 2. Presentation to contain
 - 1. Formulated problem per COPS problem formulation template
 - 2. A summary of the content of the reading (<1 minute)
 - 3. The compliance matrix
 - 4. This slide and the version of the session
 - 5. The main points
 - 6. The two briefings
 - 7. Reflections and comments on reading (<2 minute)
 - 8. Comparisons of content with other readings and external knowledge
 - 9. Why you think the reading was assigned to the module
 - 10. Lessons learned from module and source of learning e.g. readings, exercise, experience, etc. (<2 minutes)
- 3. Save as a PowerPoint file as Exercise3.3-abcd.pptx
- 4. Post/email presentation as and where instructed
- 5. Brief on one main point

How to write good requirements

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Prepare a brief on two main points in reading 0303 (< 5min)		
 Formulated problem per COPS problem formulation template 		
 A summary of the content of the reading (<1 minute) 		
3. The compliance matrix		
4. This slide and the version of the session		
5. The main points		
6. The two briefings		
7. Reflections and comments on reading (<2 minute)		
	rise, experience.	
••		
F	 Presentation to contain Formulated problem per COPS problem formulation template A summary of the content of the reading (<1 minute) The compliance matrix This slide and the version of the session The main points The two briefings Reflections and comments on reading (<2 minute) Comparisons of content with other readings and external knowledge 	

Meeting the objectives					
#	Objective	Met			
1	Identified some barriers to communications	21, R 0303			
2	Explained more than eight tools to overcome the barriers	23-46, R 0302			
3	Explained how to extract "wants" from stakeholders	48, 50-54			
4	Explained how to discourage stakeholders from asking for not needed	53,54			
5	Explained what to do before meeting the stakeholders	48			
6	Explained what to do when meeting the stakeholders	50-55			
7	Explained what to do after meeting with the stakeholders	57			
8	Provided the opportunity to exercise the 5 levels of knowledge	59-62			
	How to write good requirements	0301-67			

