









(cf. Humphrey, 1995, p. 445)	
	Robert Horn, Information Mapping, Inc.
Concept	Description
Chunking	Group information into manageable chunks.
Relevance	 Place "like things" together.
	 Exclude unrelated items from each chunk.
Labeling	Provide the reader with a label for each chunk of information.
Consistency	Use consistent:
	 terms within each chunk of information,
	 terms in the chunk and label,
	 organization, and
	formats.
Integrated Graphics	Use tables, illustrations, and diagrams as an integral part of the writing.
Accessible	Write at the level of detail that will make the document usable for al
Detail	readers.
Hierarchy of	Group small chunks around a single relevant topic.
Chunking &	Provide the group with a label.
Labeling	1 rorac me group man a tabet.

Activities in Process Definition

- Determine your needs and priorities.
- Define the process objectives, goals, and quality criteria
- Characterize your current process.
- Characterize your target process.
- Establish a process development strategy.
- Define your initial process.
- Validate your initial process.
- Enhance your process.

NOTE: These activities need not be performed in this exact sequence. Just be sure to address them all.

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1. Determining Needs & Priorities: The QFD Method

cf. Humphrey, 1995, p. 446-448)

- QFD (quality function deployment) method provides a way to relate process characteristics to user needs:
 - · Determine nature of products your process is to produce
 - · Identify principal product attributes
 - · Determine relative attribute priorities (cf. PSP Ex. p. 447)
 - Determine process features necessary for producing these attributes (cf. Table 13.3, p. 448)
 - Note strong/medium/weak relationships between process features and attributes (cf. Table 13.4, p. 449) - Product "house of quality"
 - Prioritize process features as high priority, priority, needed, or not needed (cf. list, p. 448)

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2. Defining Obj's, Goals, & Quality Criteria (cf. Humphrey, 1995, p. 448-453)

- PSP Process Quality Criteria:
 - · Develop quality software
 - Be measurable
 - Be predictable
- Create a process "house of quality" by combining product needs and process priorities (cf. Tables 13.5 & 6, p. 451, 452).
- Combine product and process needs (cf. Table 13.7, p. 453).
- Create objectives (based on prioritized product / process needs), associated goals, and metrics (cf. Table 13.8, p. 454) - GQM.

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3. Characterize Your Current

Process (cf. Humphrey, 1995, p. 450-453)



- "If you don't know where you are, a map won't help."
- Plan multiple incremental improvements from your current process to your target process.
- Answer key questions about your current process:
 - How well do you understand it?
 - Do you have serious problems?
 - Do your steps have explicit entry / exit criteria?
 - Do you have good measurements to base improvements on?
 - Do you have a process baseline?

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4. Characterize Your Target Process (cf. Humphrey, 1995, p. 453-454)

- "If you don't know where you are going, any map will do"
- Relate your goals & objectives to the target process
- Identify principal elements of the target process.
 - This may be very difficult. You may not even know how to start. Look at PSP and other processes.
- Ask questions about the target process, compare to current process, and see what are most useful / important aspects.

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5. Establish a Process Development Strategy (cf. Humphrev. 1995, p. 455)



- Start collecting data on your current process
- Always include planning and post-mortem phases
- Create forms / reports
- Observe others, talk with them about their processes
- Start with previously-successful steps

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