

F7.1

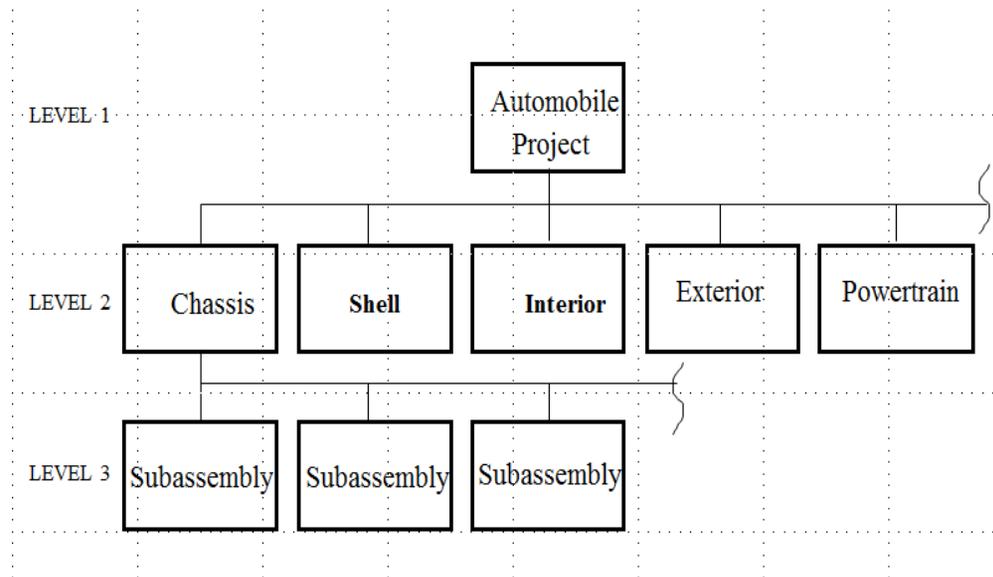


Figure 7.1 Auto project WBS

Fig 7.2

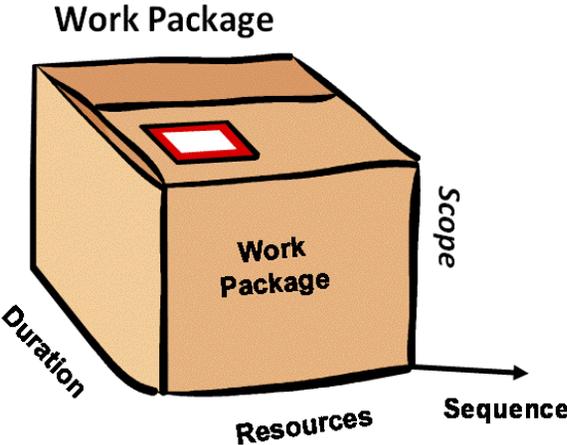


Figure 7.2 Work Package (WP) dimensions

Figure 7.3



Fig 7.4

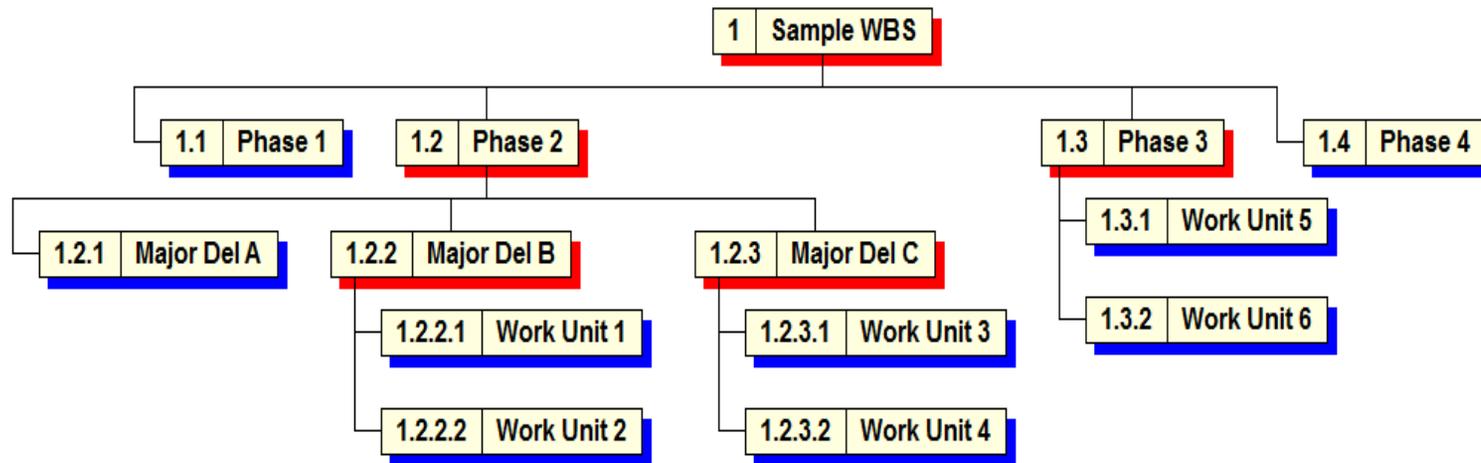


Figure 7.4. Draft WBS with deliverables Identified

Table 7.1

Table 7.1 WBS structure comparison

Software Development A			Software Development B		
1	Software		1	Requirements	
	1.1	Software requirements		1.1	Software requirements
	1.2	Initial software design		1.2	Hardware requirements
	1.3	Final software design		1.3	Documentation requirements
	1.4	Software construction		1.4	Training requirements
	1.5	Software complete			
2	Hardware		2	Design	
	2.1	Hardware requirements		2.1	Initial software design
	2.2	Initial hardware design		2.2	Final software design
	2.3	Final hardware design		2.3	Initial hardware design
	2.4	Hardware acquisition		2.4	Final hardware design
	2.5	Hardware installation			
3	Documentation		3	Construction	
	3.1	Hardware requirements		3.1	Software construction
	3.2	Develop documentation		3.2	Hardware aquisition & installation
	3.3	Approved documentation		3.3	Develop documentation
4	Training			3.4	Training materials
	4.1	Hardware requirements			
	4.2	Training materials		4	Testing
	4.3	Approved training materials		5.1	Develop test plans
5	Testing			5.2	Develop test cases
	5.1	Develop test plans		5.3	Unit test (multiple)
	5.2	Develop test cases		5.4	System test
	5.3	Unit test (multiple)		5.5	Approved documentation
	5.5	System test		5.6	User acceptance test
	5.6	User acceptance test			
6	Project management		5	Project management	
7	Project Close		6	Project Close	

Table 7.2. Sample data dictionary template

Project Name:		WBS ID #	Revision # and Date:		
Element Title:					
Work Description:					
Deliverables and Acceptance Test Measurements:					
Guidelines or Related Policies:					
Assumptions/Definitions					
COMPLETE SECTION BELOW ONLY FOR WORK PACKAGES					
Dependencies					
Predecessors			Successors		
Short Name:	WBS #:	Type:	Short Name:	WBS #:	Type:
Performing Org. Approval			Project Mgr. Approval		

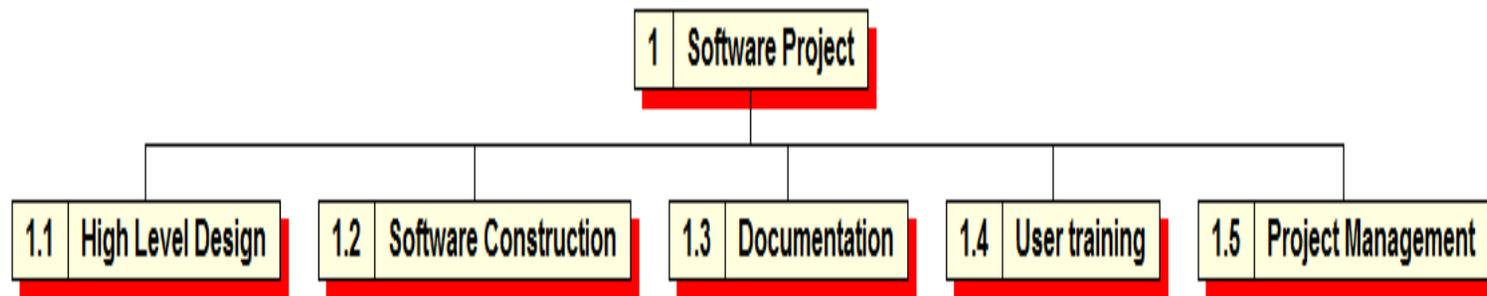
Table 7.3

Table 7.3 Software development template

WBS	Task Name
0	Standard Dev. Template
1	Planning
1.1	Initiation
1.2	Meetings
1.3	Administration
1.3.1	Standards
1.3.2	Program Office activities
2	Define product requirements
2.1	Define requirements
2.2	User documentation
2.3	Training program
2.4	Hardware
3	Detail design
4	System construction
5	Integration & test
6	Project management

Fig 7.5

Figure 7.5 Software design WBS stage one



Activity
Initiate Project
Initial Requirements Definition
Create Contract Structure
Issue Bid Requests
Compare Biddings
Select Contractor
Finalize Contract
Ship Design
Design Proposal
Buyer Review
Final Design
Buyer Acceptance
BOM Development
Procurement Analysis

Table 7.4 Ship supplementary activities