

1.

2

LO1

LO2

LO3 /

LO4

LO5

LO6

LO7

LO8

LO9

LO10

LO11

LO12

3

1

2

3

4

5

GIS CAD

(HintCAD)

ANASYS

TransCAD

Midas

OD

1.

1

2

2

4

3~6

1.

2

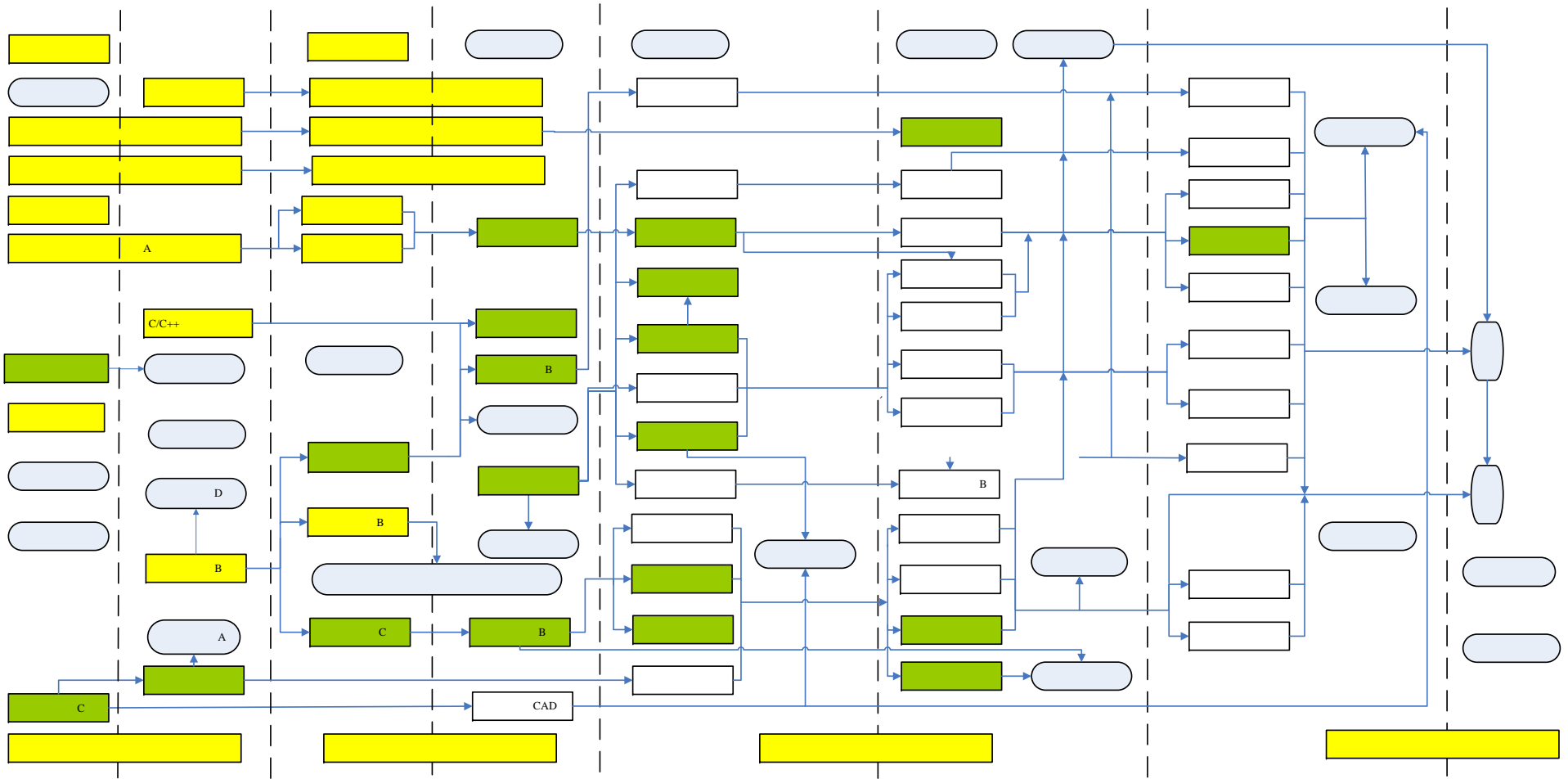
3

			32		40	2.5		
	40	2.5		40	2.5			24
1.5			40	2.5			32	2
		56	3.5			48	3	
	32	2			32	2		CAD 24
1.5			24	1.5			1.5	
	32	2			1.5			
			46.5			2		1.5
				2				2
	CAD	1.5		2				3
	2				2			B 1.5
		1.5			1.5			1.5
			1.5				2	
	1.5					1.5		
	2				1.5			1.5
			1.5		2			1.5

2

2

2



1.

2.

190

149.5

40.5

4

9

6

3.

1

2

3

4

5

6

7

8

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10

11

12

1200081B			40	32			8	2	0.5			2						1-16
1200051B			48	32			16	2	1	2								1-17
5200011B		O	32	24			8	1.5		1.5								1-8
5200021B			32	24			8	1.5		1.5								9-17
1400211B 1400221B	A																	1-17
1000231B 1000241B	B																	1-16
1400071B																		1-16
1400091B																		1-17
0500101B	C/C+ +		48	24		24		3			3							1-16
			0					0										
			1052	920	4	24	104	54	6.5	14.25	17.25	16.75	4.75	0.25	0.25	0.25	0.25	



0700062B																		1-17
0700052B																		1-17
																		1-8
0200051B																		1-17
																		1-15
																		1-10
0400152B																		1-17

																				1-8
									2											1-6
0700122B																				1-15
																				1-17
																				1-16
																				1-17
																				1-16
																				1-8

																			1-16	
																			9-16	
																			1-16	
171093B																				
171084B				32					2											
				0					0											
				0					0											
				800	708	72	20	0	50.5	0	3.5	3	5.5	14.5	14.5	8	1.5	0		

																				1-17
																				9-16
																				9-16
																				1-8
																				9-16
																				1-17
																				1-8
																				9-15
																				1-15
																				1-17
																				9-16

5700013B		O	0.5			0								1-3
5200023B		O	2			2	2							1-4
5700023B 5700033B 5700043B 5700053B 5700063B 5700073B 5700083B 5700093B		O	1			0								
5600013B		O	8			0.5					0.5			9-16
1710013B		O	4			4							4	1-6
1000013B 1000023B		O		48		2								9-16
5300053B		O	1			1			1					9-16
5300043B	D	O	1			1		1						
0700013B	A	O	2			2		2						15-17
1717143B		O	2			2			2					19-20
1717253B		O	2			2				2				21-22
1717343B		O	2			2					2			19-20
1717443B		O	1			1					1			9-12
1717553B		O	2		30	2						2		9-15
1717643B		O	2			2						2		9-15
1717743B		O	2			2							2	1-4
1717843B		O	14			14							14	1-14
1717943B		O	1			1		1						19-20

			948	60.5	15.75	18.75	18.75	6.25	0.25	0.25	0.25	0.25	32%
			144	9			1	2	2	3	1		5%
			800	50.5	3.5	3	5.5	14.5	14.5	8	1.5	0	27%
			384	23.5	0	0	0	0	7	9	7.5	0	12%
			96	6	2			0	0	2	2		3%
			39.5	40.5	2	4	1	4	2	3.5	4	20	21%
			2372	190	23.25	25.75	26.25	26.75	25.75	25.75	16.25	20.25	100%
			190										