

**Functional Size Traceability Matrix (Unadjusted FP's)**

Project: 100007 - Enrollment  
 Scope Manager: W. Wild  
 Project Manager: R. Burton



Client: Transportation Industry Client SH Project #: 100007			Abbreviations:									DET - Data Element Types											
Project Name: Enrollment			EI - External Inquiry			EO - External Output			FTR - File Types Referenced			EIF - External Inquiry			RET - Record Element Types			EIF - External Interface File			FP - Function Points		
Project Sponsor: John			ILF - Internal Logical File			UC - Use Case																	
Project Owner: Sarah																							
- Indicates a Change from the last Count			Count #: 1			Count #: 2			Count #: 3			Count #: 4			Count #: 5			Count #: 6					
Comments Assoc. by Changed Component are Below			Date: 2/4/2008			Date: 2/29/2008			Date: 3/13/2008			Date: 3/13/2008			Date: 3/13/2008			Date: 3/28/2008					
Component Traceability	Reason:	Proposal Estimate	Reason:	CO #1-Req Spec Recount	Reason:	Iteration #1 UC Recount	Reason:	Iteration #2 UC Recount	Reason:	Iteration #3 UC Recount	Reason:	CO #4-Pending RES Req Change											
Number	Hierarchy Diagram Node	Functionality Description	Type	DET	FTR/RET	FP's	Type	DET	FTR/RET	FP's	Type	DET	FTR/RET	FP's	Type	DET	FTR/RET	FP's	Type	DET	FTR/RET	FP's	
0.1.00	Files	Agent Password	EIF	3	1	5																	
0.2.01	Files	Content Management System	EIF	21	2	7	EIF	40	13	10	EIF	40	13	10	EIF	40	13	10	EIF	40	13	10	
0.3.00	Files	Corporate Discounts	EIF	11	1	5	EIF	3	1	5	EIF	3	1	5	EIF	3	1	5	EIF	3	1	5	
0.4.00	Files	Email Service	EIF	21	1	5	EIF	9	2	5	EIF	9	2	5	EIF	9	2	5	EIF	9	2	5	
0.5.00	Files	Profile	ILF	<51	3	10	ILF	35	2	10	ILF	35	2	10	ILF	35	2	10	ILF	35	2	10	
0.6.01	Files	Reservation Data	EIF	<51	3	7	EIF	4	2	5	EIF	4	2	5	EIF	4	2	5	EIF	4	2	5	
0.7.00	Files	Profile Audit Log	ILF				ILF	5	1	7	ILF	5	1	7	ILF	5	1	7	ILF	5	1	7	
0.8.00	Files	URL Corp Data	EIF	<51	1	5	EIF	<51	1	5	EIF	<51	1	5	EIF	<51	1	5	EIF	<51	1	5	
1.1.00	Internet Middle Tier (IMT)	Verify CD# Not Expired	EQ	4	1	3																	
1.2.00	Internet Middle Tier (IMT)	Reservation Inquiry	EQ	<20	1	3																	
1.3.00	Internet Middle Tier (IMT)	Confirmation Email	EQ	<20	1	3																	
1.4.00	Internet Middle Tier (IMT)	Return New Member ID #	EQ	4	1	3																	
1.5.00	Internet Middle Tier (IMT)	Member Search	EO	<20	1	4																	
1.6.00	Internet Middle Tier (IMT)	ID Search	EQ	4	1	3																	
1.7.00	Internet Middle Tier (IMT)	Update Profile/PWD	EQ	>19	0	4	EQ	>19	0	4	EQ	>19	0	4	EQ	>19	0	4	EQ	>19	0	4	
1.8.00	Internet Middle Tier (IMT)	Enroll Member	EQ	>19	0	4	EQ	>19	0	4	EQ	>19	0	4	EQ	>19	0	4	EQ	>19	0	4	
1.9.00	Internet Middle Tier (IMT)	Reset PWD	EQ	<20	0	3	EQ	<20	0	3	EQ	<20	0	3	EQ	<20	0	3	EQ	<20	0	3	
1.10.00	Internet Middle Tier (IMT)	Get Pending RES	EQ	<20	1	3	EQ	<20	1	3	EQ	<20	1	3	EQ	<20	1	3	EQ	<20	1	3	
2.1.00	Screen Level Help	On Screen Help Links	EQ	<20	1	3	EQ	<20	1	3	EQ	<20	1	3	EQ	<20	1	3	EQ	<20	1	3	
3.1.01	Log In	Member Log In	EQ	4	2	3	EQ	6	3	4	EQ	6	3	4	EQ	6	3	4	EQ	6	3	4	
3.2.00	Log In	Select Lost ID Page	EQ	6	2	4	EQ	7	2	4	EQ	7	2	4	EQ	7	2	4	EQ	7	2	4	
3.3.00	Log In	Modify Profile/Pref.	EI	50	4	6	EI	47	5	6	EI	47	5	6	EI	47	5	6	EI	47	5	6	
3.4.01	Log In	Render Home Page	EQ	11	1	3	EQ	15	2	4	EQ	15	2	4	EQ	15	2	4	EQ	15	2	4	
3.5.00	Log In	Your Pending Reservations	EQ	6	1	3	EQ	4	1	3	EQ	4	1	3	EQ	4	1	3	EQ	4	1	3	
3.6.00	Log In	Reservation Search	EQ	<20	1	3	EQ	4	1	3	EQ	4	1	3	EQ	4	1	3	EQ	4	1	3	
3.7.01	Log In	Your PopUp Agreement	EQ	5	1	3	EQ	6	2	4	EQ	6	2	4	EQ	6	2	4	EQ	6	2	4	
3.8.00	Log In	Forgot Password	EQ	9	3	4	EQ	9	3	4	EQ	9	3	4	EQ	9	3	4	EQ	9	3	4	
3.9.00	Log In	Reset Member PWD	EI	5	3	6	EI	5	3	6	EI	5	3	6	EI	5	3	6	EI	5	3	6	
4.1.00	Enroll	Enrollment Form	EI	50	5	6	EI	56	5	6	EI	56	5	6	EI	56	5	6	EI	56	5	6	
4.2.00	Enroll	Search for CD/Corp Enroll Data	EQ	<20	1	3	EQ	<20	1	3	EQ	<20	1	3	EQ	<20	1	3	EQ	<20	1	3	
4.3.01	Enroll	Upgrade Form	EI	14	2	4	EI	14	3	6	EI	14	3	6	EI	14	3	6	EI	14	3	6	
4.4.01	Enroll	Member ID # Msg	EO	3	1	4	EQ	2	1	3	EQ	2	1	3	EQ	2	1	3	EQ	2	1	3	
5.1.00	Administration	Agent Log In	EQ	4	2	3																	
5.2.01	Administration	Member Name Search	EQ	6	1	3	EQ	12	3	4	EQ	12	3	4	EQ	12	3	4	EQ	12	3	4	
5.3.01	Administration	Member ID Search	EQ	3	1	3	EQ	11	3	4	EQ	11	3	4	EQ	11	3	4	EQ	11	3	4	
5.4.00	Administration	View Member Audit	EQ	8	2	4	EQ	8	2	4	EQ	8	2	4	EQ	8	2	4	EQ	8	2	4	
				TOTAL = 112			TOTAL = 129			TOTAL = 129			TOTAL = 129			TOTAL = 129			TOTAL = 127				
				FP Change = 17			FP Change = 0			FP Change = 0			FP Change = 0			FP Change = -2							
				% Change = 15.18%			% Change = 0.00%			% Change = 0.00%			% Change = 0.00%			% Change = -1.55%							
<b>Component Change Comments</b>			(*) - IBR - To be Review...UR - Under Review by Steering Committee...APR - Approved/Change Order Signed																				
<b>Component #</b>	<b>Change Approval Status*</b>	<b>Comment Explaining the Reason for the Change</b>																					
0.1.00	APR - CO #1	DELETED - User authentication moved to an external application.																					
0.2.01	APR - CO #1	COMPLEXITY INCREASE - Due to more DET/RET required than originally estimated.																					
0.6.01	APR - CO #1	COMPLEXITY DECREASE - Due to less DET/RET required than originally estimated.																					
0.7.00	APR - CO #1	ADDITIONAL FUNCTIONALITY - Audit requirements changed from recording who made the last change in the Profile file to recording 5 data elements in a separate audit log file.																					
0.8.00	APR - CO #1	REQUIREMENTS CLARIFICATION - Originally assumed data used to prepopulate Corp Employee Enrollment form was in Corporate Discounts file.																					
1.1.00	APR - CO #1	DELETED - Dropped original plans to modify existing IMT methods when we discovered current methods did not go through the IMT.																					
1.2.00	APR - CO #1	DELETED - Dropped original plans to modify existing IMT methods when we discovered current methods did not go through the IMT.																					
1.3.00	APR - CO #1	DELETED - Dropped original plans to modify existing IMT methods when we discovered current methods did not go through the IMT.																					
1.4.00	APR - CO #1	DELETED - Dropped original plans to modify existing IMT methods when we discovered current methods did not go through the IMT.																					
1.5.00	APR - CO #1	DELETED - Dropped original plans to modify existing IMT methods when we discovered current methods did not go through the IMT.																					
1.6.00	APR - CO #1	DELETED - Dropped original plans to modify existing IMT methods when we discovered current methods did not go through the IMT.																					
1.7.00	APR - CO #1	ADDITIONAL FUNCTIONALITY - Client requested Updating Profile & Password methods go through the IMT.																					
1.8.00	APR - CO #1	ADDITIONAL FUNCTIONALITY -Client requested Enrolling Member method go through the IMT.																					
1.9.00	APR - CO #1	ADDITIONAL FUNCTIONALITY -Client requested Password Change methods go through the IMT.																					
3.1.01	APR - CO #1	COMPLEXITY INCREASE - Due to more DET/FTR required than originally estimated.																					
3.4.01	APR - CO #1	COMPLEXITY INCREASE - Due to more DET/FTR required than originally estimated.																					
3.7.01	APR - CO #1	COMPLEXITY INCREASE - Due to more DET/FTR required than originally estimated.																					
3.8.00	APR - CO #1	MISSED REQUIREMENT - Missed "Lost Your ID" changes to the "Forgot Password" page in original estimate.																					
3.9.00	APR - CO #1	ADDITIONAL FUNCTIONALITY - Reset PWD changed due to request to track Profile changes in Profile Audit Log file.																					
4.3.01	APR - CO #1	ADDITIONAL FUNCTIONALITY - Increased complexity due to extra link to the Profile Audit Log file.																					
4.4.01	APR - CO #1	REQUIREMENTS CLARIFICATION - Originally thought new Express ID's may be mathematically calculated/selected before requirements were further defined as the Client will provide a pool of ID's.																					
5.1.00	APR - CO #1	DELETED - User authentication moved to an external application.																					
5.2.01	APR - CO #1	COMPLEXITY INCREASE - Due to more DET/FTR required than originally estimated.																					
5.3.01	APR - CO #1	COMPLEXITY INCREASE - Due to more DET/FTR required than originally estimated.																					
5.4.00	APR - CO #1	ADDITIONAL FUNCTIONALITY - A screen was added to view Profile Audit Log data.																					

