

ID	% Complete	WBS	Indicator	Task Name	Start	Finish	Duration	Work
1	48%	CIS1		caCIS Project	Mon 3/28/11	Tue 2/21/12	231 days	10,152.62 hrs
2	0%	CIS1.1		Milestones	Wed 6/29/11	Tue 12/27/11	123 days	0 hrs
33	52%	CIS1.2		Project Management	Mon 3/28/11	Fri 12/30/11	194 days	2,135.05 hrs
375	100%	CIS1.3		Planning, Requirements, High-level Architecture	Mon 6/13/11	Tue 7/12/11	20.5 days	926 hrs
383	58%	CIS1.4		TRANSCEND Interface	Mon 6/20/11	Wed 11/16/11	104 days	400 hrs
384	100%	CIS1.4.1	😊	TRANSCEND Contact Needed for Workflow Discussion & Sign-off- External	Mon 6/20/11	Mon 6/20/11	0 days	0 hrs
385	100%	CIS1.4.2	😊	Discuss & Confirm Tolven workflow from TRANSCEND to SA	Mon 6/20/11	Fri 7/15/11	19 days	80 hrs
386	100%	CIS1.4.3	😊	Design SA secure interface for TRANSCEND Tolven	Fri 7/22/11	Thu 8/4/11	10 days	80 hrs
387	100%	CIS1.4.4	😊	Milestone - TRANSCEND Interface Design Finalized - External Dependency	Wed 8/24/11	Wed 8/24/11	0 days	0 hrs
388	100%	CIS1.4.5	😊	Milestone - Commitment to Deploy and Test Semantic Adapter Based on Finalized Design- External Dependency	Wed 8/24/11	Wed 8/24/11	0 days	0 hrs
389	100%	CIS1.4.6	😊	Milestone - Deployment Specific Information (Environment Information) - External Dependency	Thu 8/4/11	Thu 8/4/11	0 days	0 hrs
390	100%	CIS1.4.7	😊	Milestone - Mirth Connect SSL Plugin License needed for ESD development activities - No longer needed Alternative Route	Fri 8/19/11	Fri 8/19/11	0 days	0 hrs
391	66%	CIS1.4.8	😊	Develop Tolven to SA interface	Mon 8/8/11	Fri 9/16/11	29 days	200 hrs
392	0%	CIS1.4.9		Quality Test Source to SA Interface	Wed 10/12/11	Wed 11/16/11	25 days	40 hrs
393	61%	CIS1.5		Modeling and Semantic Mapping	Mon 6/20/11	Fri 11/18/11	106 days	1,388.4 hrs
394	100%	CIS1.5.1	😊	Build Initial Computable Transform	Mon 6/20/11	Fri 6/24/11	5 days	10 hrs
395	100%	CIS1.5.2	😊	Milestone - Initial Computable Transform - Simple Example of Transform (File, URL, SVN Location) - Internal Dependency	Mon 6/27/11	Mon 6/27/11	0 days	0 hrs
396	100%	CIS1.5.3	😊	Milestone - TRIM's Finalized (Data Elements, Structure and Semantics) Validate Assumptions - External Dependency	Fri 7/22/11	Fri 7/22/11	0 days	0 hrs
397	100%	CIS1.5.4	😊	Milestone - EPIC Exchange Data Elements Finalized - External Dependency (Will use all 4 Clinical Notes Data Elements as no details	Fri 8/12/11	Fri 8/12/11	0 days	0 hrs
398	0%	CIS1.5.5	😊	Milestone - Sample Data for Consolidated TRIM - TRANSCEND - External I	Fri 8/5/11	Thu 9/22/11	34 days	0 hrs
399	100%	CIS1.5.6	😊	Milestone - Sample Data to Validate Mappings - TRANSCEND - External De	Fri 7/22/11	Fri 7/22/11	0 days	0 hrs
400	100%	CIS1.5.7	😊	Milestone - Sample Data to support Design Activities - TRANSCEND - External Dependency	Fri 7/22/11	Fri 7/22/11	0 days	0 hrs
401	75%	CIS1.5.8		Canonical Model	Mon 6/27/11	Tue 10/18/11	78.01 days	918.4 hrs
402	100%	CIS1.5.8.1	😊	Milestone - Canonical Model Mapping Questions & Answers - TRANSCEND - Questions will remain on list for one week unresolved questions arch team will document assumptions and continue	Fri 8/5/11	Fri 8/5/11	0 days	0 hrs
403	74%	CIS1.5.8.2	😊	Develop Canonical Model	Mon 6/27/11	Wed 9/28/11	65.02 days	174.4 hrs
404	74%	CIS1.5.8.3	😊	Develop Canonical Model IG	Mon 6/27/11	Wed 9/28/11	65.03 days	168 hrs
405	80%	CIS1.5.8.4	😊	Define mapping from Clinical Notes data elements to Canonical Model	Mon 6/27/11	Wed 9/28/11	60.01 days	168 hrs
406	72%	CIS1.5.8.5	😊	Define mapping from PCO data elements to Canonical Model	Mon 6/27/11	Tue 10/18/11	60.01 days	168 hrs
407	80%	CIS1.5.8.6	😊	Develop computable transforms from clinical notes to canonical model	Mon 6/27/11	Wed 9/28/11	60 days	192 hrs
408	72%	CIS1.5.8.7	😊	Develop computable transforms from PCO to canonical model	Mon 6/27/11	Mon 10/17/11	60 days	48 hrs
409	0%	CIS1.5.9		Quality Test Computable Transforms	Mon 11/7/11	Wed 11/16/11	7 days	56 hrs
410	0%	CIS1.5.10		Define HL7v2 (Computable Transform)	Tue 9/20/11	Tue 10/4/11	11 days	80 hrs
411	0%	CIS1.5.11		Define RIM ITS and CCD mapping	Tue 10/4/11	Wed 10/12/11	6 days	40 hrs
412	100%	CIS1.5.12	😊	Architecture Provide v1.0 XSLT computable transform	Tue 7/5/11	Thu 7/7/11	3 days	0 hrs
413	100%	CIS1.5.13	😊	Build and Deploy for computable and coded transforms - Round 1	Mon 6/27/11	Fri 7/8/11	9 days	40 hrs
414	0%	CIS1.5.14		Build and Deploy for computable and coded transforms - Round 2	Mon 9/19/11	Mon 10/3/11	10 days	40 hrs
415	0%	CIS1.5.15		Create deployment guide for new transforms (run-time, compile-time, deploy-	Mon 9/19/11	Mon 10/3/11	9.5 days	40 hrs
416	0%	CIS1.5.16		Development HL7v2	Mon 10/3/11	Mon 10/17/11	9 days	76 hrs

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417	0%	CIS1.5.17		Development of RIM ITS and CCD mapping	Tue 10/11/11	Fri 10/21/11	8.5 days	40 hrs
418	0%	CIS1.5.18		Quality Test HL7v2	Thu 11/17/11	Thu 11/17/11	1 day	8 hrs
419	0%	CIS1.5.19		Quality Test RIM ITS and CCD Mapping	Fri 11/18/11	Fri 11/18/11	1 day	8 hrs
420	100%	CIS1.5.20	😊	Quality Test Build and Deploy for computable and coded transforms - Round 1	Wed 8/17/11	Mon 8/22/11	4 days	16 hrs
421	0%	CIS1.5.21		Quality Test Build and Deploy for computable and coded transforms - Round 2	Thu 11/3/11	Fri 11/4/11	2 days	16 hrs
422	76%	CIS1.6		Semantic Adapter (SA)	Mon 6/27/11	Wed 10/26/11	85 days	176 hrs
423	100%	CIS1.6.1	😊	ESB Deployment	Mon 6/27/11	Fri 7/8/11	9 days	40 hrs
424	100%	CIS1.6.2	😊	Design Semantic Adapter	Wed 7/20/11	Wed 8/24/11	17 days	48 hrs
425	100%	CIS1.6.3	😊	Design Identifier Resolver Façade (DESIGN ONLY)	Mon 8/22/11	Fri 8/26/11	5 days	40 hrs
426	0%	CIS1.6.4		Design Vocabulary lookup (DESIGN ONLY)	Thu 10/13/11	Wed 10/26/11	10 days	40 hrs
427	100%	CIS1.6.5	😊	Quality Test ESB Deployment	Wed 7/20/11	Wed 7/20/11	1 day	8 hrs
428	65%	CIS1.7		IP - Canonical Model Processor	Mon 6/13/11	Thu 12/1/11	118.75 days	694 hrs
429	100%	CIS1.7.1	😊	Design Interface - SA to IP	Tue 6/14/11	Mon 7/11/11	14 days	64 hrs
430	67%	CIS1.7.2	😊	Design CMP Authorization Component	Mon 8/29/11	Tue 9/6/11	6 days	40 hrs
431	100%	CIS1.7.3	😊	Design CMP - Validation, Invocation	Mon 8/15/11	Fri 8/26/11	10 days	80 hrs
432	100%	CIS1.7.4	😊	Define Logging Policy and Log format	Wed 7/13/11	Fri 8/5/11	11 days	48 hrs
433	100%	CIS1.7.5	😊	Deploy IP ESB	Mon 6/27/11	Fri 7/8/11	9 days	24 hrs
434	83%	CIS1.7.6	😊	Develop Web Service Interface (CanonicalModelProcessor)	Mon 7/11/11	Fri 9/9/11	18 days	160 hrs
435	100%	CIS1.7.7	😊	Invoke ETL Process	Mon 7/18/11	Fri 7/29/11	10 days	40 hrs
436	0%	CIS1.7.8		Document Router/Document Transfer Request Builder	Mon 9/12/11	Thu 9/22/11	9 days	72 hrs
437	100%	CIS1.7.9	😊	Node Authentication (provisioning certs and trust stores)	Mon 6/13/11	Fri 6/24/11	10 days	40 hrs
438	0%	CIS1.7.10		Quality Test IP ESB Deployment	Mon 11/21/11	Tue 11/22/11	2 days	16 hrs
439	13%	CIS1.7.11	😊	Quality Test Web Service Interface (CanonicalModelProcessor)	Mon 8/29/11	Tue 10/11/11	30 days	56 hrs
440	100%	CIS1.7.12	😊	Quality Test ETL Process	Mon 8/15/11	Tue 8/16/11	2 days	8 hrs
441	0%	CIS1.7.13		Quality Test Document Router/Document Transfer Request Builder	Wed 11/23/11	Fri 11/25/11	2 days	16 hrs
442	0%	CIS1.7.14		Quality Test Node Authentication	Mon 11/28/11	Thu 12/1/11	3.75 days	30 hrs
443	56%	CIS1.8		IP - Document Router	Mon 6/20/11	Tue 12/27/11	131 days	1,225 hrs
444	100%	CIS1.8.1	😊	Design Router configurations mechanism	Fri 8/5/11	Thu 8/18/11	10 days	80 hrs
445	47%	CIS1.8.2	😊	Develop XDS Document Metadata Builder	Mon 8/22/11	Fri 9/16/11	19 days	192 hrs
446	100%	CIS1.8.3	😊	Finish up NAV Sender development	Mon 6/20/11	Tue 6/21/11	1.67 days	40 hrs
447	71%	CIS1.8.4	😊	Develop OpenXDS Interaction (register, store)	Mon 8/1/11	Fri 9/16/11	34 days	156 hrs
448	100%	CIS1.8.5	😊	Create NAV documentation	Mon 8/22/11	Fri 9/2/11	10 days	20 hrs
449	64%	CIS1.8.6	😊	OpenXDS Development - Security	Mon 6/27/11	Fri 9/30/11	56 days	641 hrs
450	0%	CIS1.8.7		Quality Test XDS Document Metadata Builder	Wed 11/16/11	Tue 12/27/11	28 days	56 hrs
451	100%	CIS1.8.8	😊	Quality Test NAV Sender	Wed 8/3/11	Thu 8/25/11	2 days	8 hrs
452	0%	CIS1.8.9		Quality Test OpenXDS Interaction	Thu 12/1/11	Mon 12/5/11	2 days	16 hrs
453	0%	CIS1.8.10		Quality Review of Documentation for NAV	Thu 12/15/11	Mon 12/19/11	3 days	16 hrs
454	0%	CIS1.8.11		Quality Test OpenXDS Development (No QA Effort to be Expended - Unit Testir	Mon 9/19/11	Mon 9/19/11	0 days	0 hrs
455	62%	CIS1.9		IP - Document Transfer	Mon 6/13/11	Thu 12/15/11	129 days	406 hrs
456	100%	CIS1.9.1	😊	Design Pluggable Authorization Component for XDS Interface	Wed 6/29/11	Mon 7/18/11	12.5 days	100 hrs
457	100%	CIS1.9.2	😊	Create XDS Outbound Interface Specification (SDS)	Mon 7/18/11	Wed 7/20/11	2 days	16 hrs
458	100%	CIS1.9.3	😊	Design Secure Email Interface	Fri 8/19/11	Wed 8/24/11	3.75 days	30 hrs
459	100%	CIS1.9.4		Ability to send a secure email	Mon 6/13/11	Fri 6/17/11	5 days	20 hrs
460	44%	CIS1.9.5	😊	Secure Email routing components	Mon 8/29/11	Fri 9/9/11	9 days	78 hrs
461	100%	CIS1.9.6	😊	Design Secure File Transfer Protocol Interface	Wed 8/24/11	Mon 8/29/11	4 days	26 hrs
462	0%	CIS1.9.7		Develop Secure File Transfer Protocol Interface	Mon 9/12/11	Fri 9/16/11	5 days	80 hrs

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463	0%	CIS1.9.8		Quality Test Ability to send a secure email	Mon 12/5/11	Tue 12/6/11	1.25 days	8 hrs
464	0%	CIS1.9.9		Quality Test Secure Email	Tue 12/6/11	Fri 12/9/11	4 days	24 hrs
465	0%	CIS1.9.10		Quality Test Secure File Transfer Protocol Interface	Mon 12/12/11	Thu 12/15/11	4 days	24 hrs
466	56%	CIS1.10		Clinical Data Warehouse (CDW)	Thu 6/30/11	Wed 11/2/11	87 days	1,162.17 hrs
467	100%	CIS1.10.1	😊	Prototype XML to RDF Converter	Thu 6/30/11	Thu 7/7/11	5 days	40 hrs
468	100%	CIS1.10.2	😊	Design Schema and map Canonical to Data Warehouse format	Thu 6/30/11	Wed 8/17/11	33.9 days	133.37 hrs
469	42%	CIS1.10.3	😊	Design free text indexes and views	Mon 8/22/11	Wed 9/21/11	21.5 days	40 hrs
470	0%	CIS1.10.4		Integrate free text indexes and views	Wed 9/7/11	Fri 9/9/11	3 days	10 hrs
471	100%	CIS1.10.5	😊	Design ETL- IP to CDW	Mon 7/18/11	Fri 8/12/11	12 days	28.8 hrs
472	69%	CIS1.10.6	😊	Create Non-canonical to CDW transform and integrate with Canonical to CDW	Mon 8/22/11	Thu 9/8/11	13 days	40 hrs
473	0%	CIS1.10.12		Architecture Testing of Non-canonical to CDW transform	Thu 9/22/11	Thu 9/22/11	0 days	0 hrs
474	0%	CIS1.10.7		Develop ETL - IP to CDW	Tue 9/6/11	Fri 9/16/11	9 days	80 hrs
475	0%	CIS1.10.8		Test ETL - IP to CDW	Thu 10/27/11	Wed 11/2/11	5 days	40 hrs
476	0%	CIS1.10.9		Design CDW Security	Wed 9/7/11	Wed 9/21/11	11 days	80 hrs
477	100%	CIS1.10.10	😊	Develop Clinical Data Warehouse (Virtuoso)	Mon 7/18/11	Mon 8/22/11	25 days	390 hrs
478	18%	CIS1.10.11	😊	Data Warehouse Testing	Tue 8/23/11	Wed 10/26/11	45 days	280 hrs
479	16%	CIS1.11		QA	Mon 6/20/11	Fri 12/30/11	134 days	776 hrs
480	19%	CIS1.11.1	😊	Manual Build, Configuration, Installation/Deployment for Testing	Mon 6/20/11	Thu 12/29/11	99 days	200 hrs
481	23%	CIS1.11.2	😊	Test Automation	Wed 7/13/11	Fri 12/30/11	105 days	336 hrs
482	16%	CIS1.11.3	😊	Test and results documentation/reporting	Mon 6/20/11	Fri 12/30/11	97 days	112 hrs
483	1%	CIS1.11.4	😊	Security Testing	Thu 9/1/11	Fri 12/30/11	82 days	128 hrs
484	16%	CIS1.15		Technical Writing	Tue 8/23/11	Thu 10/20/11	41 days	200 hrs
485	100%	CIS1.15.1	😊	caCIS_Solution_Architecture_Document.doc	Tue 8/23/11	Tue 8/23/11	1 day	8 hrs
486	100%	CIS1.15.2	😊	caCIS-CDW-Evaluation.doc	Wed 8/24/11	Wed 8/24/11	1 day	8 hrs
487	100%	CIS1.15.3	😊	Virtuoso_ETL_Approach.doc	Thu 8/25/11	Thu 8/25/11	1 day	8 hrs
488	100%	CIS1.15.4	😊	Virtuoso_Security_Approach.doc	Fri 8/26/11	Fri 8/26/11	1 day	8 hrs
489	0%	CIS1.15.5		caCIS_IntegrationPlatform_CanonicalModelProcessor_SDS.doc	Tue 9/6/11	Tue 9/6/11	1 day	8 hrs
490	0%	CIS1.15.6		caCIS_OpenXDS_SDS.doc	Wed 9/7/11	Wed 9/7/11	1 day	8 hrs
491	0%	CIS1.15.7		caCIS_SemanticAdapter_SDS.doc	Thu 9/8/11	Thu 9/8/11	1 day	8 hrs
492	0%	CIS1.15.8		caCIS_Semantic_Adapter_Design.doc	Fri 9/9/11	Fri 9/9/11	1 day	8 hrs
493	0%	CIS1.15.9		caCIS_IP_to_CDW_Design.doc	Mon 9/12/11	Mon 9/12/11	1 day	8 hrs
494	0%	CIS1.15.10		caCIS_KeyStoreTrustStore.doc	Tue 9/13/11	Tue 9/13/11	1 day	8 hrs
495	0%	CIS1.15.11		caCIS_DocumentRouter_Design.doc	Wed 9/14/11	Wed 9/14/11	1 day	8 hrs
496	0%	CIS1.15.12		caCIS_Logging_Design.doc	Fri 9/30/11	Mon 10/3/11	2 days	16 hrs
497	0%	CIS1.15.13		caCIS_Identity_Resolver_Facade_Design.doc	Tue 10/4/11	Wed 10/5/11	2 days	16 hrs
498	0%	CIS1.15.14		caCIS_CanonicalModelProcessor_Design.doc	Thu 10/6/11	Fri 10/7/11	2 days	16 hrs
499	0%	CIS1.15.15		caCIS_Secure_Email_Design.doc	Tue 10/11/11	Wed 10/12/11	2 days	16 hrs
500	0%	CIS1.15.16		caCIS_Secure_File_Transfer_Design.doc	Thu 10/13/11	Fri 10/14/11	2 days	16 hrs
501	0%	CIS1.15.17		caCIS_OpenXDS_Design.doc	Mon 10/17/11	Tue 10/18/11	2 days	16 hrs
502	0%	CIS1.15.18		caCIS_CMP_Security_Design.doc	Wed 10/19/11	Thu 10/20/11	2 days	16 hrs
503	0%	CIS1.34		Systems Migration to CBIT	Thu 8/25/11	Fri 10/14/11	35 days	176 hrs
504	0%	CIS1.34.1		HPQC Migration	Thu 8/25/11	Wed 9/7/11	9 days	24 hrs
505	0%	CIS1.34.1.1		Initiate Migration	Thu 8/25/11	Thu 8/25/11	1 day	8 hrs
506	0%	CIS1.34.1.2		Dry- Run Date	Wed 8/31/11	Wed 8/31/11	1 day	8 hrs
507	0%	CIS1.34.1.3		Migration Cutover	Wed 9/7/11	Wed 9/7/11	1 day	8 hrs
508	0%	CIS1.34.4		JIRA Migration	Mon 10/3/11	Wed 10/12/11	7 days	16 hrs

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509	0%	CIS1.34.4.1		Initiate Migration	Mon 10/3/11	Mon 10/3/11	1 day	8 hrs
510	0%	CIS1.34.4.2		Migration Cutover	Wed 10/12/11	Wed 10/12/11	1 day	8 hrs
511	0%	CIS1.34.5		Subversion Migration	Mon 10/3/11	Wed 10/12/11	7 days	16 hrs
512	0%	CIS1.34.5.1		Initiate Migration	Mon 10/3/11	Mon 10/3/11	1 day	8 hrs
513	0%	CIS1.34.5.2		Migration Cutover	Wed 10/12/11	Wed 10/12/11	1 day	8 hrs
514	0%	CIS1.34.10		Build and Deployment Migration (Jenkins)	Mon 10/3/11	Fri 10/14/11	9 days	24 hrs
515	0%	CIS1.34.10.1		Initiate Migration	Mon 10/3/11	Mon 10/3/11	1 day	8 hrs
516	0%	CIS1.34.10.2		Dry- Run Date	Tue 10/11/11	Tue 10/11/11	1 day	8 hrs
517	0%	CIS1.34.10.3		Migration Cutover	Fri 10/14/11	Fri 10/14/11	1 day	8 hrs
518	0%	CIS1.34.12		Target Environments (Virtuoso, Demo environments, etc)	Mon 10/3/11	Fri 10/14/11	9 days	96 hrs
519	0%	CIS1.34.12.1		Initiate Migration	Mon 10/3/11	Mon 10/3/11	1 day	8 hrs
520	0%	CIS1.34.12.2		Dry- Run Date	Tue 10/11/11	Tue 10/11/11	1 day	8 hrs
521	0%	CIS1.34.12.3		Migration Cutover	Fri 10/14/11	Fri 10/14/11	1 day	8 hrs
522	0%	CIS1.12		Pre-Deployment	Wed 9/21/11	Mon 9/26/11	4 days	24 hrs
523	0%	CIS1.12.1		Document TRANSCEND Deployment Architecture	Wed 9/21/11	Mon 9/26/11	4 days	24 hrs
524	0%	CIS1.13		Software Development Project Close Out	Tue 12/6/11	Fri 12/30/11	18 days	64 hrs
525	0%	CIS1.13.1		Ensure that all artifacts are checked into NCI subversion	Tue 12/6/11	Tue 12/6/11	0 days	0 hrs
526	0%	CIS1.13.2		Final Deliverables Accepted	Tue 12/6/11	Fri 12/9/11	4 days	4 hrs
527	0%	CIS1.13.3		Final Deliverables Published	Tue 12/6/11	Tue 12/27/11	15 days	26 hrs
528	0%	CIS1.13.4		Project Summary Report Completed	Tue 12/6/11	Fri 12/30/11	18 days	34 hrs
529	0%	CIS1.13.5		Project Complete	Fri 12/30/11	Fri 12/30/11	0 days	0 hrs
530	0%	CIS1.14		Deployment	Wed 12/28/11	Tue 2/21/12	40 days	400 hrs
531	0%	CIS1.14.1		Architecture Deployment Support	Wed 12/28/11	Tue 2/21/12	40 days	80 hrs
532	0%	CIS1.14.2		Site Deployment - ESD	Wed 12/28/11	Thu 1/5/12	6.67 days	160 hrs
533	0%	CIS1.14.3		Integration Testing	Wed 12/28/11	Tue 1/10/12	10 days	80 hrs
534	0%	CIS1.14.4		Pre-release support/testing Alpha, Beta, etc	Wed 12/28/11	Tue 1/10/12	10 days	80 hrs

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