

Tracking Number	TC Team	Status	Release Version	Description	Notes	Resolution	Remarks
1000-001	Data Model	Completed	5.0	GROUND_BED.ANODE_SPACING incorrect datatype	NUMBER datatype should be changed to a smaller precision number datatype	Changed to NUMBER(8,4)	Completed on 5/5/2008.
1000-002	Data Model	Completed	5.0	ILI_INSPECTION_RANGE.ASCENDING incorrect datatype	NUMBER datatype should be changed to a smaller precision number datatype	change it to NUMBER(2) plus add the same constraint used in series (valid answers are 1 or -1)	Completed on 5/6/2008.
1000-003	Data Model	Completed	5.0	STRAIGHTENING_VANES.NUMBER_OF_VANES incorrect datatype	NUMBER datatype should be changed to a smaller precision number datatype	Number(2)	Completed on 5/5/2008.
1000-004	Data Model	Completed	5.0	PIPE_BEND only supports angles < 100 degrees	Should the column be increased to store angles larger than 100 degrees? Or, only store the acute angle?	change the horz_ang and vert_ang to number(6,3)	Completed on 5/5/2008.
1000-005	Data Model	Completed	5.0	TANK table does not have DESCRIPTION	TANK table does not have DESCRIPTION	Completed	Completed on 5/5/2008.
1000-006	Data Model	Completed	5.0	COMPRESSOR_STATION table does not have DESCRIPTION	COMPRESSOR_STATION table does not have DESCRIPTION	Completed	Completed on 5/5/2008.
1000-007	Data Model	Completed	5.0	Modify Line.Designator to support longer line designators	How much should the column be extended? For Gathering systems I have heard of companies that have greatly increased the length --	DESIGNATOR modified to VARCHAR2(50)	Completed on 5/5/2008.
1000-008	Data Model	Completed	5.0	DRIP_RISER needs a new logical flag for ONSITE	DRIP_RISER needs a new logical flag for ONSITE_LF.	Add ONSITE_LF column	Completed on 5/6/2008.
1000-009	Data Model	Completed	5.0	TABLE_NAME is in both PODS_TABLE and FEATURE_TABLE. Not needed in FEATURE_TABLE?	Remove TABLE_NAME from FEATURE_TABLE	Remove TABLE_NAME from FEATURE_TABLE	Completed on 5/6/2008.
1000-010	Data Model	Completed	5.0	PODS_TABLE.CASCADE_LEVEL vs. FEATURE_TABLE.SORT_ORDER. Are both of these columns needed (do they serve the same purpose)?	Remove the SORT_ORDER column in FEATURE_TABLE.	Remove SORT_ORDER column. Need better documentation on the purpose of the Cascade Level column.	Completed on 5/6/2008.
1000-011	Data Model	Completed	5.0	PI_SOIL needs to support multiple samples taken at different depths.	Add a DEPTH column?	Number(7,3)	Completed on 5/6/2008.
1000-012	Data Model	Completed	5.0	MARKER needs a new column for Material Type	MARKER needs a new column for Material Type	MARKER_MATERIAL_TYPE_CL added	Completed on 5/6/2008. Design approved on 6/10/2008.
1000-013	Data Model	Completed	5.0	PI_GIRTH_WELD – Add REF_PIPE_JOIN_EVENT_ID column	Add column to tie the girth weld inspection to the PIPE_JOIN record	Added column and foreign key to the PIPE_JOIN table	Completed on 5/6/2008. Documentation needs to be updated to state that PIPE_JOIN should be point data. If linear data is in PIPE_JOIN the REF_PIPE_JOIN_EVENT_ID would be null. Design approved on 6/10/2008.
1000-014	Data Model	Completed	5.0	Pipe_Segment.Nominal_Diameter_GCL change	Make a code domain table that houses only diameters valid for line pipe and replace the PIPE_SEGMENT.NOMINAL_DIAMETER_GCL with a non-global code lookup. Submitted by Gary H.	Create a Pipe_Segment_Outer_Dia_CL (will only be referenced by PIPE_SEGMENT). Rename PIPE_SEGMENT.NOMINAL_DIAMETER_GCL to PIPE_SEGMENT.OUTSIDE_DIAMETER_CL	Design approved on 6/10/2008.
1000-015	Data Model	Completed	5.0	Rename column CENTERLINE_GEO_GUID to CENTERLINE_GEO_GUID. This was a typo.	Error in the Centerline_Geometry table. The field is called Centerline_Geo_GUID and I believe it should be Centerline_Geo_GUID	Renamed column.	
1000-016	Data Model	Completed	5.0	Add "NAME" column to domain tables	Add a new column to domain tables for a column that will hold a "user friendly" display name. DESCRIPTION is not always appropriate to display in applications or on reports. Submitted by Gary H.	VARCHAR2(50)	
1000-017	Data Model	Completed	5.0	CHECK Constraint on MEASURE >= 0			
1000-018	Data Model	Completed	5.0	External Document table change	Change the path to 2000+ characters and the name to 200 to allow for long url's for document management systems -- suggested by Roger Weller	FilePath = varchar2(2000) and Filename = varchar2(2000)	
1000-019	Data Model	Completed	5.0	Rename BEND_FABRICATOR_CL to PIPE_BEND_FABRICATOR_CL			

1000-020	Data Model	Completed	5.0	The ORIENTATION attribute in the PI_CORROSION table is only a NUM(3). Submitted by Bryan F.	Should it be a NUM (4)? Example: 11:30 does not fit in the attribute right now.	Change Orientation -- Number(4). Rename any of the columns degree in the name (such as ORIENTATION_DEG.	UOM would be used to state if CLOCK or DEGREE. This affects the following tables: PI_Metal_Loss, PI_Corrosion, PI_Crack, PI_Mechanical_Damage, PI_Material_Defect, ILI DATA (ORIENTATION and SEAM ORIENTATION), ILI_CLUSTER
1000-021	Data Model	Completed	5.0	Rename Orientation_DEG to Orientation on ILI_Data table.			
1000-022	Data Model	Completed	5.0	Rename Seam_Orientation_DEG to Seam_Orientation on ILI_Pipe_Length table.			
1000-023	Data Model	Completed	5.0	Change datatype of ILI_CLUSTER.AVG_Orientation to NUMERIC column. VARCHAR2 now.	Change AVG_ORIENTATION from VARCHAR2(5) to NUMBER(4)		
1000-024	Data Model	Completed	5.0	STATE_PROVINCE_GCL, SOURCE_GCL, MAINTENANCE_TYPE_CL, COUNTY_CL, COUNTRY_CL, and COMPANY_GCL modified existing NAME columns from VARCHAR2(30) to VARCHAR2(50)	Modified from VARCHAR2(30) to VARCHAR2(50)		
1000-025	Data Model	Completed	5.0	Add ACTIVE_INDICATOR_LF to make consistent with other domain tables	Added ACTIVE_INDICATOR_LF to the following domain tables:  LEGACY_LINE_NAME_CL STATE_SURVEY_CL TAX_DISTRICT_CL COUNTY_CL		
1000-026	Data Model	Completed	5.0	Add DESCRIPTION to make consistent with other domain tables	Added DESCRIPTION to the following domain tables:  STATE_PROVINCE_GCL COUNTRY_CL COUNTY_CL		
1000-027	Data Model	Completed	5.0	Add SOURCE_GCL to make consistent with other domain tables	Added SOURCE_GCL to the following domain tables:  COUNTY_CL		
1000-028	Data Model	Completed	5.0	The EXCAVATION_CONTRATOR attribute in the PI_EXCAVATION table changed to a CL table. Submitted by Bryan F.	The EXCAVATION_CONTRATOR attribute in the PI_EXCAVATION table changed to a CL table	The EXCAVATION_CONTRATOR attribute in the PI_EXCAVATION table changed to a CL table	
1000-029	Data Model	Completed	5.0	The MPI_CONTRACTOR attribute in the PI_EXCAVATION table changed to a CL table. Submitted by Bryan F.	The MPI_CONTRACTOR attribute in the PI_EXCAVATION table changed to a CL table	The MPI_CONTRACTOR attribute in the PI_EXCAVATION table changed to a CL table	
1000-030	Data Model	Completed	5.0	Some columns within the Line/Route/Series/Station point tables are non-normalized. Series.Line_ID should be inherited from the route table. Station_Point.Line_ID and Station_Point.Route_ID should inherit from the Series table and the Route Table.	5/30/06: The majority of the Technical Committee agreed this change should be implemented. Though these denormalized tables were first implemented to address anticipated performance issues, such issues are now considered secondary to the demonstrated data integrity issues.	The following changes were made: Series remove LINE_ID and LINE_GUID. STATION_POINT remove LINE_ID, LINE_GUID, SERIES, ROUTE_ID and ROUTE_GUID	
1000-031	Data Model	Completed	5.0	Change PODS_USER from VARCHAR2(20) to VARCHAR2(30). Suggested by John C.	Completed for the following tables:  EVENT_RANGE REPORT_CROSS_REF ROUTE SERIES STATION_POINT CENTERLINE_GEO_CROSS_REF COORDINATE OFFLINE_EVENT COMMENTS	Change from VARCHAR2(20) to VARCHAR2(30)	

1000-032	Data Model	Completed	5.0	Rename tables that did not match the PODS naming convention.	<p>Rename tables that are referenced by only on table:  COATING_APPLICATOR_GCL  CROSSING_TYPE_GCL  SENSOR_GCL  WHERE_COATING_APPLIED_GCL  APPLICATION_GCL  MATERIAL_DEFECT_TYPE_GCL  MECHANICAL_DEFECT_TYPE_GCL</p> <p>Rename tables that are referenced by more than one table:  COUNTY_CL  CATHODIC_PROTECTION_TYPE_CL  FEATURE_STATUS_CL  ANOMALY_CATEGORY_CL</p>	<p>Rename tables that are referenced by only on table. Below are the new names:  EXTERNAL_COATING_APPLICATOR_CL  CASING_CROSSING_TYPE_CL  ILL_INSPECTION_SENSOR_CL  EXTERNAL_COAT_WHERE_COATING_APPLIED_CL  ALIGNMENT_SHEET_APPLICATION_CL  PI_MATERIAL_DEFECT_TYPE_CL  PI_MECHANICAL_DEFECT_TYPE_CL</p> <p>Rename tables that are referenced by more than one table. Below are the new names:  COUNTY_GCL  CATHODIC_PROTECTION_TYPE_GCL  FEATURE_STATUS_GCL  ANOMALY_CATEGORY_GCL</p>	
1000-033	Data Model	Completed	5.0	Deprecated Items	<p>Completed the following tasks:</p> <p>Remove COMMENTS columns  Removed ID columns  Drop LINE_INTEREST Table  Drop LINE_INTEREST_TYPE_CL Table  Drop HCA_BOUNDARY Table  Drop LINE_OPERATING_STATUS_CL  Drop LINE_PRODUCT_TYPE_SCL  Drop LINE_PRODUCT_SUBTYPE_SCL  Drop OFFLINE_COMMENTS Table  Drop ROUTE_OPERATING_STATUS_GCL</p>		
1000-034	Data Model	Completed	5.0	Add ACTIVE_INDICATOR_LF, NAME, DESCRIPTION to ADDRESS_GCL to make consistent with other domain tables	Add new columns to ADDRESS_GCL to make consistent with other domains.		
1000-035	Data Model	Completed	5.0	Need new table to store THRUST_BLOCK information	Need new table to store THRUST_BLOCK information	Created a new THRUST_BLOCK table	
1000-036	Data Model	Completed	5.0	EXTERNAL/INTERNAL COATING – Add MIL for coating thickness	EXTERNAL/INTERNAL COATING – Add MIL for coating thickness	Added a COATING_THICKNESS_GCL column. Added a NUMBER(3) column.	Make a GCL table. Add INTERNAL and EXTERNAL FLAG

1000-037	Data Model	Completed	5.0	Nominal Diameter vs.Outer Diameter. Submitted by John C.	<p>Completed for the following tables:</p> <ul style="list-style-type: none"> <li>Branch_Connect</li> <li>Casing</li> <li>Closure</li> <li>Drip Riser</li> <li>Drip</li> <li>Elbow</li> <li>Extrusion</li> <li>Extrusion_Opening</li> <li>Flange</li> <li>Flexible_Joint</li> <li>Offshore_Riser</li> <li>Pressure_Cap</li> <li>Reducer</li> <li>Sleeve</li> <li>Subsea_Sled_Assembly</li> <li>Tap</li> <li>Tapered_Stress_Joint</li> <li>Tee</li> <li>Umbical</li> <li>Valve</li> <li>Vent_Pipe</li> <li>Wellhead_Assembly</li> </ul> <p>Collar --COLLAR_INTERNAL_DIAMETER_CL COLLAR_EXTERNAL_DIAMETER_CL</p> <p>Launcher_Receiver -- TRAP_VALVE_OUT_DIAMETER_GCL KICKER_BYPASS_OUT_DIAMETER_GCL BRIDLE_OUTSIDE_DIAMETER_GCL</p>	PIPE_SEGMENT will not reference this table. It will reference the PIPE_SEGMENT_OUTER_DIAMETER_CL table)	Outer Diameter add NOMINAL as a column in the domain table.
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1000-042	Data Model	Pending	n/a	CATHODIC_PROTECTION_RANGE needs COMMENTS column	CATHODIC_PROTECTION_RANGE needs COMMENTS column added (this might not be needed if no minor releases are scheduled due to comments being deprecated in PODS 5).		
1000-043	Data Model	Pending	n/a	The GUID fields will increase the complexity of the migration to 4.0, but will not significantly enhance interoperability in the near term because there is such latitude in PODS implementation from operator to operator, even if they are completely compliant.	Pending approval of the use of GUIDs in PODS 5.0.		
2008-011	Data Model	Post PODS 5		TEST_PRESSURE	Teresa will send Geofields table design to Kirk		
2008-012	Data Model	Post PODS 5		Test_Pressure table should have an Event_ID or a Station_ID for the test station gauge.	Test_Pressure table should have an Event_ID or a Station_ID for the test station gauge.	See if this request is even needed. Might be addressed by Geofields submittal.	
2008-013	Data Model	Post PODS 5		Pup -- Need a new table?	5/30/06: The Technical Committee determined there are two issues here: 1) ambiguity in how the PIPE_BEND table should be used, which is the result of poor model documentation, and 2) a model error resulting in the apparent redundancy of the Date_Installed		Need to discuss with entire TC 11-6-2007
2008-014	Data Model	Post PODS 5		Redesign CONTACT_GCL table?	Have 2 types of contacts. Internal contacts and external contacts. External contacts do not need columns such as organizational unit (Structure, Populated site). Also look at integrating with other systems (such as active directory, etc.)		Expand to include Foreign Line Crossing, Owner_CL and Right of Way.Owner, Address, etc.?
2008-015	Data Model	Pending		Add "user friendly" columns to the ROUTE/SERIES (and others?) to facilitate GUIDS	When the ID columns are removed for PODS 5 new columns will be needed for ROUTE/SERIES to assist troubleshooting with a given record. The days of "I have a question on ROUTE_ID 8767" will be long gone. They will now ask "I have a question on ROUTE_GUID '34A04B18-8177-4C9F-ACCF-00DE30781CB7'";	Add Designator to Route and Series -- Varchar2(50) and Designator_NUM and Unique_Index?	Might not be necessary if there is a change re: GUIDS
2008-016	Data Model	Pending		The model does not prevent overlapping fittings, creating ambiguity about what is really happening within a certain segment of the pipeline assembly.	6/6/06: The Technical Committee decided this issue would be addressed after PODS 4.0 Release was published.		
2008-017	Data Model	Pending		Review Code/SubCode structures in PODS.			
2008-018	Data Model	Pending		LEAK_HISTORY from Gary			A little background on what we have done internally to get to this design. 1.) Extended the existing PODS structure to accept all the information on the DOT 7001 report. 2.) Revised or created all of the related code tables and populated with domain codes. 3.) Reviewed the changes with subject matter experts. 4.) Wrote and tested application programming to enter data into the data structures. 5.) Tested reporting functions against the new data structure to support output of DOT 7001 report forms.

2008-019	Data Model	Pending		2008-019-TCRFA datamodel changes (from Colt)	See 2008-019-TCRFA datamodel.pdf and TRCFA-2008-019.zip		
2008-020	Data Model	Pending		HCA submodel by John Chioles	Measurement tables and Storage and Maintenance of liquid HCA results		
2008-021	Data Model	Pending		TCRFA-2008-028	Short piece of pipe that can have different wall thickness values		
2008-022	Data Model	Pending		The Pipe Bend table has no attributes to record pipe characteristics. The Date Installed is redundant to Pipe_Segment.Date_Installed in our implementation. We are forced to record an equivalent event in the Pipe_Segment table to record pipe characterist	6/20/06: The Technical Committee decided this issue would be addressed after PODS 4.0 Release was published.		
2008-023	Data Model	Pending		Source_GCL/Description: The Source_GCL and Description fields are better-suited to be in the Event_Range table as opposed to being in all the individual event tables. This is a more logical design.			
2008-024	Data Model	Pending		The codes in the Pipe_Segment table for PIPE_SPECIFICATION, PIPE_GRADE and SMYS are all related. There is potential for conflicting data (i.e. X-52 pipe grade with a 30000 smys value). This should be a single code with multiple lookup values.			
2008-025	Data Model	Pending		Chemical & Mechanical Test Results/Analysis	Chemical & Mechanical Test Results/Analysis	Mike E. will look into this and give feedback.	
2008-026	Data Model	Pending		event history vs. Maint_Event and Leak_history			
2008-028	Data Model	Need to discuss		No history or temporal information in the Line table.	5/30/06: This is an acknowledged, complex issue. The Technical Committee plans to address it in Release 4.2.		
2008-029	Data Model	Need to discuss		state_cl and fips into one column. Submitted by Gary			How would this support internationalization? Look into PPDM and other standards to try to propose more generic solution for international operators.
2008-030	Data Model	Need to discuss		Unicode support throughout database.		Use NCHAR datatypes? Or create Unicode database (where CHAR datatypes -- CHAR, VARCHAR2, etc.) would be UTF-8 encoded? Note: NCHAR datatypes are only supported in Oracle 9i and above. Is anybody still using Oracle 7.3 or 8i?	Discuss with entire TC. Potential work arounds are: Documentation with Search/Replace recommended. Two DDL's for previous versions. Set minimum requirements. International base.
2008-031	Data Model	Need to discuss		check constraint on inline history fields on Current_Indicator and Effective To date. Submitted by Janice	See meeting minutes		Is Current Indicator LF required?
2008-032	Data Model	Need to discuss		PODS_TABLE does not handle tables with composite PK's	PODS_TABLE does not handle tables with composite PK's such as Coating_Type_SCL		Need to discuss with entire TC 11-6-2007 How does this fit into history for core tbls versus feature tbls
2008-033	Data Model	Need to discuss		Pipe_Length, Pipe_Segment, and Pipe_Bend changes	Rework the Pipe_Length, Pipe_Segment, Pipe_Bend tables so they all reference a single common linear event. Submitted by Gary H.		Need to discuss with entire TC
2008-034	Data Model	Need to discuss		Risk	Additional tables could/should be added to better support Risk Assessments.		Are there typical values that are needed for risk that should be added to PODS? Also, should a "generic" risk table be added that would allow risk values without adding potentially a hundred tables to PODS. Add Risk results? Need Risk working group?
2008-035	Data Model	Need to discuss		PI_TANK – Add RESULT_CL	PI_TANK – Add RESULT_CL		Need to discuss with entire TC

2008-036	Data Model	Need to discuss		CA State Fire Marshal electronic submission items :1) need an indicator - whether the pipe is original as-built or replacement pipe 2) with Flow_Direction_Range - need to indicate upstream (discharge) and downstream (suction) point for each segment 3) on bi-directional flow, need to know the primary (typical) flow direction	CA State Fire Marshal electronic submission items :1) need an indicator - whether the pipe is original as-built or replacement pipe 2) with Flow_Direction_Range - need to indicate upstream (discharge) and downstream (suction) point for each segment 3) on bi-directional flow, need to know the primary (typical) flow direction	Pending	Discuss with entire TC. Check with Sheila on the DOT Regulatory working group.
2008-045	Data Model	Pending		Redesign the SCL domain tables into one column. Submittee by Teresa and Gary separately			

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1000-038	Data Model	Rejected	n/a	Rename PRIME_MERIDIAN		The table is already called PRIME_MERIDIAN_CL; therefore, change is not necessary.	Rejected - not necessary
1000-039	Data Model	Rejected	n/a	I would like to see the CURRENT_INDICATOR_LF field name shortened because I am tired of typing it once for each table (Series, Station_Point, Event_Range, Coordinate, etc. in queries.		This change affects the core and is not necessary.	Rejected - not necessary
1000-040	Data Model	Rejected	n/a	Previous_ID and Original_ID columns for Route, Series and Event_Range: It is not necessary to have Original_ID in these tables. The Original_ID can be derived if the Previous_ID is populated. Having both columns is redundant and unnecessary.		This change affects all the core tables and is not necessary.	Rejected - not necessary
1000-041	Data Model	Rejected	n/a	The offline events and site facilities are overly complex and poorly documented. We have extended PODS to accommodate these types of facilities because we cannot understand how to model and manage data in this section of the model.		Recommendation to add section to the implementation guide to explain proper use of these tables.	Rejected with the recommendation to add section to the implementation guide to explain proper use of these tables.