

	Used by Our ERP Connectors
	Used by our PLM Connectors
	Used by multiple Systems (open use)
	Other Systems (Vaults, Machines, etc.)

No.	Solumina XML APIs	Description	
1	R_PART_SYNC	Uploads from ERP & PLM: Item/Rev records in Solumina (Tools, Parts, Machines, Processes, etc.)	
2	S_PART_SYNC	Publishes Item/Rev records in ERP (Tools, Parts, Machines, Processes, etc.)	
3	R_BOM_SYNC	Uploads from ERP & PLM: BOM/Rev records in Solumina (MBOM, EBOM, SBOM, PBOM)	
4	S_BOM_SYNC	Publishes Item/Rev records in ERP (MBOM, EBOM, SBOM, PBOM)	
5	R_OPER_TYPE_SYNC	Uploads ERP Oper_Types into Oper_type Look-up Tables in Solumina	
6	R_LOCATION_SYNC	Uploads from ERP: Company/Location/Department/Work_Center/Machine hierarchy into Solumina tables	
7	R_CATALOG_NOTIFY	Uploads from ERP, PLM or other 3D content Authors to the Solumina Visual Library repository	
8	R_PROCESS_ROUTG_SYNC	Uploads from PLM Bill_of_Process data into Solumina Process Planning Tables. Dynamically adds Loc, Dept,WC, Oper Type, etc... Includes Standard Operations.	
9	S_PROCESS_ROUTG_SYNC	Publishes to ERP Bill_of_Process data into Routing Tables.	
10	R_ECN_SYNC	Uploads from PLM a detailed Engineering Change Notice with Affected, Resulting, PMI data and Dispositions	
11	S_ECN_STATUS	Sends to PLM a "Manufacturing" ECO Completion Status	
12	R_PERSONNEL_SYNC	Uploads to Solumina all Employee ID, Certifications, names, Work Center assignments	
13	S_WO_REQUEST	Allows Solumina to request a blank Work Order & Work Order ID from ERP	
14	R_WO_ISSUE	Allows ERP to trigger Order Create in Solumina with Unit Serials, Operation dates, Config Codes, etc.	
15	R_WO_OPER_SCHED	Updates in Solumina Operation Dates, Priority. Uses same XML message as Order Issue.	
16	R_WO_STATUS	Allows Solumina to receive a "Locked" Status from ERP for Orders that have been costed.	
17	S_WO_STATUS	Allows Solumina to Send an Order Complete status	
18	S_WO_REVISION	Sends to ERP New, Deleted and Changed Operations resulting from a Solumina Order Alteration Approval	
19	S_WO_SPLIT	Sends a message to ERPs that accept order splits, informing the ERP of the split quantity or units and indicating the operation where the split occurred. Also triggers the order request in some cases to complete the split.	
20	R_MATERIAL_ISSUE	Uploads from ERP into Solumina a list of all materials issued to a work order/operation with traceability data (Lot, Serial)	
21	S_WO_OPER_STATUS	Sends to ERP a changed status on an operation (Active, Closed, Excluded)	
22	S_WO_UNIT_STATUS	Sends to ERP a current state of Operations completed for each serialized unit.	
23	S_ITEM_DISPOSITION	Sends to ERP a notification of a quantity scrapped for a given part number within an order (Parent or Child)	
24	R_EXTERNAL_DAT_COL	Allows Solumina to receive data or binary files from automated hardware and, based on parameters (Part, Rev, Variable ID), complete all open orders or calculations within an order	
25	R_SUPPLIER_SYNC	Receives from ERP a list of all Supplier IDs (Locations). Includes updates or deletes.	
26	S_TOOL_SETTINGS	Allows Solumina to send a series of settings and sequence with Variable ID to a Torque Controller	
27	R_PO_SYNC	Receives from ERP a list of all current Purchase Orders, Lines and delivery dates/quantities.	
28	R_POLINE_RECEIPT	Receives from ERP a list of all Inspection orders (PO, PO Line, Delivery) that has reached the AUTHORIZED TO STOCK point in the inspection	
29	R_PO_LINE_INSPECTION	Notifies Solumina that a Receipt is pending Inspection and Triggers the creation on a PO Inspection Order In Solumina	
30	S_PO_LINE_INSP_RESULTS	Notifies ERP that a PO Line has been successfully Inspected (with or without defects). Uses our <a href="#">Autorisation to Stock</a> trigger	
31	R_ACCOUNTS_SYNC	Receives from ERP or T&A a list of Indirect Accounts that employees are authorized to clock onto (Indirect tasks)	
32	S_WO_ISSUE	Sends to a Time and Attendance (T&A) system a list of Work Orders/Operations/WorkCenters that an employee can clock onto	
33	S_WO_REVISION_DELTA	Sends to a Time and Attendance (T&A) system a list of Work Orders/Operations/WorkCenters changes that an employee can clock onto	
34	S_PERSONNEL_CLOCKG_SYNC	Sends to a Time and Attendance (T&A) system a list of Work Orders/Operations/WorkCenters changes that an employee can clock onto	
35	R_TOOL_CAL_SYNC	Uploads into Solumina the most current Calibration Status and Expiration Dates for each Tool Serial (Asset ID)	
36	S_TOOL_TORQUE_SETTINGS	Downloads from Solumina the formatted content of a tool data collection grid (as it becomes "Open") to feed a torque tool controller	
37	S_ECN_REQUEST (Future)	Allows Solumina to Request an Engineering Change based on an authoring Finding, defect, Corrective Action or Audit Finding.	
38	S_DISCREPANCY_SYNC	Allows Solumina to transmit and receive the evolving details of a Discrepancy as it progresses through the workflow	
39	S_CORRECTIVE_ACTION_SYNC (Future)	Allows Solumina to assign a task to an external system (Usually PLM) based on a Corrective Action Investigative or Corrective task.	
40	S_CAD_ID_STATISTICS	Allows Solumina to return to a PLM system a 0-100 value against each CAD_ID for an Assembly based on the 8 performance dimensions	
41	R_INSP_DEF_SYNC	Allows Solumina to receive PMI Data from external repositories and insert them into our Inspection Definition Tables	