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|  | Question | Page(s) | Date | Answer/Confirmation | Date | Notes |
| **1** | **DB Alteration**: a column was added to JOB\_TRACKING to identify what is the data type being processed: CSV, SERD or data entry. | 11 | 2024-04-09 |  |  |  |
| 2 | Are there limitations of Job Types according to the data types?  JOB\_TRACKING. JOB\_TYPE\_NUMBER / MEDS\_ROCESSING\_JOB.DATA\_TYPE | 11 | 2024-04-09 | No. It’s up to the user to choose appropriate values. |  | v2 enhancements |
| 3 | Configurations were added to JOB\_LOOKUPS to set:   * the default JOB\_TRACKING.JOB\_STATUS * default interval for the QA Processing Target date, from the JOB\_TRACKING creation date | 11 | 2024-04-09 |  |  |  |
| **4** | **DB Alteration**: sequences were linked to JOB\_TRACKING.MEIC\_NUMBER and MEDS\_PROCESSING\_JOB.JOB\_NUMBER (respectively MEIC\_NUMBER\_SEQUENCE, JOB\_NUMBER\_SEQUENCE) | n/a | 2024-04-09 |  |  | Sequences were restarted with the highest current values for the columns. |
| 5 | When is it possible to delete a JOB\_TRACKING record?   * Deletion is possible in any status, including COMPLETED? * Should the linked MEDS\_PROCESSING\_JOB record be deleted as well? * What if there was a file uploaded? Would the upload change the job tracking status to COMPLETED, so no deletion is possible?? | 11 | 2024-04-09 | Never |  | v2 enhancements |
| 6 | The following fields are not consistent, how does job type works?   * JOB\_TRACKING.JOB\_TYPE\_NUMBER is populated by MEDS\_JOB\_TYPE.JOB\_TYPE\_NUMBER * MEDS\_PROCESSING\_JOB.DATA\_TYPE has three possible links using JOB\_LOOKUPS.DATATYPE = ‘Data Type’:   + Some records link via JOB\_LOOKUPS.DESCRIPTION   + Some records link via JOB\_LOOKUPS.USAGE   + Some records don’t link at all   This could be old data, so we would like to know how to proceed with new records. | 3001 | 2024-04-09 | There is no relationship between JOB\_TRACKING.JOB\_TYPE\_NUMBER and MEDS\_PROCESSING\_JOB.DATA\_TYPE |  |  |
| 7 | Confirm content equality:  job\_tracking.source = meds\_processing\_job.originator  Job\_tracking.classification = meds\_processing\_job.protection | 11  3001 | 2024-04-15 | Source: yes, except for SERD. SERD originator comes from content FILE\_CODE  Classification: yes |  |  |
| 8 | The content of the file 7173\_aquapack\_profile\_data.csv is different from the table aquapack\_profile\_data:   * the file has 17 columns * the table has 46 columns * could not find the correct field index key (FIELD\_LOOKUP table) | n/a | 2024-04-16 | Not all columns need to be populated. We may need to further clarify. |  |  |
| 9 | The content of the table FIELD\_LOOKUP for the structure of OMNI\_AMBIENT is different from the CSV file.  The four first columns in the file are:   * Date (date) * Time (time) * time (time) * month (number)   The four first fields in FIELD\_LOOKUP are:   * time (time) * month (number) * HZ\_3\_15 (number) * HZ\_4 (number) | n/a | 2024-04-16 | FIELD\_LOOKUP: FIELD\_POSITION is continuous across all destination tables, irrespective of which, so we should query “where  data\_type\_index = <?> order by field\_position” to get the target table.  FIELD\_LOOKUP:FIELD\_TYPE references DATA\_TYPES\_TABLE.TYPE\_INDEX, where DESCRIPTION may say “… as consecutive fields”, so that e.g. for OMNI\_AMBIENT data (DATA\_TYPE\_INDEX = 16), DATE\_RECORDED is a single column in the target table (OMNI\_AMBIENT\_OBSERVATION) to be populated by converting CSV columns 1 and 2 into an Oracle DATE |  |  |
| 10 | In the sample data sent, what is the content of the folder ADCP\_OS? |  |  | It’s CSV format data, where FIELD\_LOOKUP.FILE\_EXTENSION tells us that \*.hdr files populate ADCP\_DATA and ADCP\_OBSERVATION, whereas \*.dat files populate ADCP\_REPEAT |  |  |
| 11 | How can we relate a csv file with a table?  The sample *7173\_aquapack\_profile\_data.csv* is 'Aqua Shuttle Profile', 'Aqua Shuttle Track', '2081 Track', 'Biological CTD Profile Original' or 'Aqua Pack Job Table' (they all have ‘AQUA’ in job\_lookups.data\_type and none has .csv as extension)). |  |  | Confusion arises because we don’t have up-to-date JOB\_LOOKUPS and FIELD\_LOOKUP data. Action for Steve |  |  |
| 12 | Define the JOB\_TRACKING.STATUS rules:   * Can we change status once the file is loaded? * Can we change status once the observation tables are loaded? * Any other rules? |  |  | The default is In Progress. There are no other rules. |  | v2 enhancements |
| 13 | In the case the application is building a generic CSV upload, how will it differentiate between job types that will generate data & observation only:   * GLIDER\_THREADED\_DATA * GLIDER\_THREADED\_OBSERVATION   and those that will generate more than those two, as in:   * EDDY\_SATELLITE\_DATA * EDDY\_SATELLITE\_OBSERVATION * EDDY\_SATELLITE\_REPEAT   Or even:   * MLO\_CETACEANS\_DATA * MLO\_CETACEANS\_OBSERVATION * MLO\_CETACEANS\_ENVELOPE * MLO\_CETACEANS\_TRACK |  |  | GLIDER\_THREADED\_DATA  GLIDER\_THREADED\_OBSERVATION  Driven by FIELD\_LOOKUP.DATA\_TYPE\_INDEX etc.  EDDY\_SATELLITE\_DATA  EDDY\_SATELLITE\_OBSERVATION  EDDY\_SATELLITE\_REPEAT  Import of EDDY data is out of scope. Steve to supply full out-of-scope list.  MLO\_CETACEANS\_DATA  MLO\_CETACEANS\_OBSERVATION  MLO\_CETACEANS\_ENVELOPE  MLO\_CETACEANS\_TRACK  Driven by DATA\_TYPE\_INDEX which for  CETACEANS is 25, and this excludes ENVELOPE and TRACK tables that are no longer to be populated but retained purely for visualisation. |  |  |
| 14 | Explain how and where the tables TAB\_COLUMNS, MLO\_DATATYPE and MLO\_COLUMNS are used.  Will we need it? |  |  | These are legacy tables that we will retain but can all be ignored, as can EVENT\_LOG and EVENT\_TYPE |  |  |
| 15 | ~~The SERD documentation implies that in the header, comments are from 217 to 847, and are sized 70 characters, which will give a max of 9 comments.~~  ~~However, the samples sent have much more comments per line that that.~~  ~~Could we have a updated rule for comments?~~ | ~~n/a~~ | ~~2024-04-18~~ |  |  |  |
| 16 | The following SERD fields are supposed to be numbers, but in some records the values are ‘+ ‘.   * Can it be fixed in the sources? * Can it happen in any numeric field? * It is an old sample, and the problem has been fixed? * Should we cater for it? * Could other values appear in different files?   Fields:   * temperature\_correction * salinity\_correction * sound\_velocity\_correction * data\_type\_code | n/a | 2024-04-18 | See specification of these in SERD\_format\_OFFICIAL.docx for explanation |  |  |
| 17 | The fields atmospheric\_pressure and min\_observation\_depth have ‘-‘inserted in the last line of the sample (6-54) :   * Can it be fixed in the sources? * Can it happen in any numeric field? * It is an old sample, and the problem has been fixed? * Should we cater for it? * Could other appear in different files? | n/a | 2024-04-18 | See specification of these in SERD\_format\_OFFICIAL.docx for explanation |  |  |
| 18 | The SERD documentation allow us to map the header, but there are more fields in the records type 2 and 3, and they are not described in the document. | n/a | 2024-04-18 | Column position 88 to 111 of a type 3 record are repeated n times. |  |  |
| 19 | Are SERD comments being sent currently? | n/a | 2024-04-18 | Yes |  |  |
| 20 | Once a file is uploaded, how do the user confirm it, so the job status can be updated? Do they verify the records somehow? | n/a | 2024-04-23 | Manual update of Job Tracking status |  |  |
| 21 | What is the table OBSERVATION, what is it used for, and do we need to populate it? | 3004 | 2024-04-23 | Users’ selection of date placed on the map. Probably not needed. |  |  |
| 22 | Why is the Generic Editor necessary? |  | 2024-04-23 | For form-based manual input. |  |  |
| 23 | Are there any file naming conventions for the SERD and CSV files we should be aware of / can make use of? | n/a | 2024-04-23 | No |  |  |
| 24 | What is the repeating part of the SERD records that is not in the documentation sent? | n/a | 2024-04-23 | See 18 |  |  |
| 25 | What JOB\_LOOKUPS.GENERIC means? Can we trust it and make use of it? | n/a | 2024-04-24 | To do with legacy menu positioning. Ignore. |  |  |
| 26 | SERD fields can be found in FIELD\_LOOKUP, as.CSV.. Should we worry about it? | n/a | 2024-04-23 | Ignore them |  |  |
| 27 | Could Steve confirm what these comments mean?   * S Data only * Output only (what is, confirm what we need to do) * Confirmation what is the red formatting |  |  | Covered. |  |  |
| 28 | More details are needed on the data types of DATATYPE\_TABLE | n/a | 2024-04-23 | Covered for now |  |  |
| 29 | What are the SDO\_GEOMETRY fields for? Do we need them in input, output, maps?   * To insert the LOCATION fields, we need SRID data. * To be able to have the fields populated in dev, so we can build exports as needed, we need SRID data | n/a | 2024-04-24 | Covered for now, explore later |  |  |
| 30 | Could Steve confirm the assumption that, at the table AQUAPACK\_PROFILE\_DATA, **PROFILE**\_**ID** is always also saved as **MEDS\_OBSERVATION\_NUMBER**? | n/a | 2024-04-25 | In principle, yes. To confirm when more data loaded |  |  |
| 31 | The table OMNI\_AMBIENT\_OBSERVATION has the fields:   * LATITUDE NUMBER(12,6) * LONGITUDE NUMBER(12,6)   However, in the sample sent, there are many rows with LONGITUDE with more decimals (ex: -0.0827778).  When parsing the csv, the value is being truncated by the DB.  What do we do?  (It might explain the reason of question 31 issue) | n/a | 2024-04-26 | Redefine lat and long columns as NUMBER |  |  |
| 31 | OMNI\_AMBIENT has more observations than data for the job sample sent. How is that possible? | n/a | 2024-04-26 | Steve will investigate |  |  |
| 32 | How can we get latitude and longitude from the SERD file field values? | n/a | 2024-04-30 | Steve to give us the algorithm |  |  |
| 33 | How do we get the fields MEDS\_SHIP\_NUMBER and MEDS\_CRUISE\_NUMBER from the SERD fields SHIPNUMBER, SHIPCODE and ORIGINATORCRUISE? | n/a | 2024-04-30 | Derived from CRUISE\_LAYER and PROFILE\_INDEX  SHIP\_DETAILS gets populated from SERD COUNTRY\_CODE and SHIP\_NUMBER, and VESSEL\_NAME from JOB\_TRACKING.SUPPLIER |  |  |
| 34 | BIOLUMINESCENCE\_DATA.ARCHIVED (and probably on other tables) is a text field containing a text date. Is it used for anything? |  |  | Came from original Excel data.  No longer of interest |  |  |
| 35 | Could the job types be confirmed?   |  |  |  | | --- | --- | --- | | 0 | UNKNOWN |  | | 1 | SV Probes | SERD | | 2 | CTD | SERD | | 3 | XCTD | SERD | | 4 | VOS |  | | 5 | ARGO |  | | 6 | Seabed\_Samples\_H575 | CSV | | 7 | XSV | SERD | | 8 | XBT | SERD | | 9 | Omni\_Ambient | CSV | | 29 | Sub-bottom Profiler |  | | 11 | Directional |  | | 12 | Secchi\_Disk |  | | 13 | Biolumin\_H636 | CSV | | 14 | Marine\_Life\_H637 |  | | 28 | Beach\_data |  | | 16 | Sonar\_2081 |  | | 17 | Aquashuttle |  | | 31 | Glider |  | | 19 | Miscellaneous |  | | 20 | Exchange |  | | 21 | Fronts |  | | 22 | Sea\_Ice |  | | 23 | Internal\_Waves |  | | 24 | HOOD Update |  | | 32 | REMUS 100 ADCP |  | | 26 | ADCP |  | | 27 | Seasoar |  | | 30 | AIS Shipping |  | | 33 | REMUS 600 ADCP |  | | 34 | MLO\_Seabed\_Contacts |  | | 38 | Float |  | | 35 | Sonar\_2115 |  | | 36 | PAM |  | | 37 | Ecopuck |  | | n/a | 2024-05-01 | Steve to confirm |  |  |
| 35 | Could the structure of the table INSTRUMENT be explained?  OCEAN (instrument code?)  DESCRIPTION  NEBT  SERD  NODEF\_  DATA\_TYPE (values are 1, 2 or 3) | n/a | 2024-05-01 | SERD file instrumentcode = instrument.ocean, which is saed I the PROFILE\_INDEX tables.  Data type  1 = temperature only  2 = temperature salinity  3 = sound velocity |  |  |
| 36 | What is the format mask for the depth measurements temperature, salinity and sound velocity (ex: 15097 – 1,509.7/150.97/15097.00/?) | n/a | 2024-05-01 | Temperature  12.12  Salinity  35.481  Sound Velocity  1499.6 |  |  |
| 37 | Confirm there is always one PROFILE\_HEADER, for each PROFILE\_INDEX. | n/a | 2024-05-01 | 1 to 1, confirmed. Mandatory |  |  |
| 38 | Confirm that in the SERD files each main record is an observation | n/a | 2024-05-01 | Confirmed |  |  |
| 38 | In the sample file *6601\_Temperature\_SV.srd* states the depth level numbering sometimes starts with 1, sometimes starts with 0. Does that matter? | n/a | 2024-05-01 | Confirmed, no practical effect |  |  |
| 39 | What is the field depth indicator code (position 848)? Do we need it? Where is it saved? | n/a | 2024-05-01 | Mapped |  |  |
| 40 | Confirm SERD fields mapped to PROFILE tables. | n/a | 2024-05-01 | In progress |  |  |
| 41 | Confirm PROFILE\_INDEX\_\*.MEDS\_CRUISE\_NUMBER comes from MEDS\_PROCESSING\_JOB. MEDS\_CRUISE\_NUMBER?  (If so, the filed will be mandatory when SERD) | n/a | 2024-05-01 | Cruise number comes from cruise table and also recorded at the upload |  | Document and confirm |
| 42 | Confirm SERD relationships:   |  |  |  | | --- | --- | --- | | **Job Type** | **Data Use** | **Tables** | | 8 (XBT) | 5 | PROFILE\_HEADER\_TONLY, PROFILE\_INDEX\_TONLY, PROFILE\_DATA\_TONLY | | 1 (SV Probes) | 4 | PROFILE\_HEADER\_SV, PROFILE\_INDEX\_SV, PROFILE\_DATA\_SV | | 2 (CTD) | 2 | PROFILE\_HEADER\_TS, PROFILE\_INDEX\_TS, PROFILE\_DATA\_TS | | n/a | 2024-05-01 | Use INSTRUMENT table, not JOB TYPE for the tables |  |  |
| 43 | Data exports to a bespoke text format GPPDB format. |  |  |  |  |  |