



MARINFO Manual DATA LIBRARY

Version 2.0.0

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1. MARINFO4

1.1 [MARINFO4].[LOT2A_HISTORY_BENEFOWNER]

```
[IMO] [nvarchar](7) NOT NULL,
[SEQUENCE] [nvarchar](2) NOT NULL,
[EFFECTIVEDATE] [nvarchar](8) NOT NULL,
[GROUPBENEFOWNERNAME] [nvarchar](50) NOT NULL,
[GROUPBENEFOWNERCODE] [nvarchar](7) NOT NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL
[MARINFO4].[LOT2A_HISTORY_CALL_SIGN_MMSI](
[IMO] [nvarchar](7) NOT NULL,
[SEQUENCE] [nvarchar](2) NOT NULL,
[CALLSIGN] [nvarchar](13) NULL,
[MMSI] [nvarchar](9) NULL,
[EFFECTIVEDATE] [nvarchar](8) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.2 [MARINFO4].[LOT2A_HISTORY_CLASS]

```
[IMO] [nvarchar](7) NOT NULL,
[SEQUENCE] [nvarchar](2) NOT NULL,
[CURRENTINDICATOR] [nvarchar](10) NOT NULL,
[EFFECTIVEDATE] [nvarchar](8) NOT NULL,
[CLASSNAME] [nvarchar](30) NOT NULL,
[CLASSINDICATOR] [nvarchar](50) NOT NULL,
[CLASSCODE] [nvarchar](20) NOT NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.3 [MARINFO4].[LOT2A_HISTORY_DOC]

```
[IMO] [nvarchar](7) NOT NULL,
[SEQUENCE] [nvarchar](2) NOT NULL,
[EFFECTIVEDATE] [nvarchar](8) NOT NULL,
[DOCCOMPANYNAME] [nvarchar](50) NOT NULL,
[DOCCOMPANYCODE] [nvarchar](7) NOT NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
```

```
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,  
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.4 [MARINFO4].[LOT2A_HISTORY_FLAG]

```
[IMO] [nvarchar](7) NOT NULL,  
[SEQUENCE] [nvarchar](2) NOT NULL,  
[EFFECTIVEDATE] [nvarchar](6) NOT NULL,  
[FLAGNAME] [nvarchar](40) NULL,  
[FLAGCODE] [nvarchar](3) NOT NULL,  
[LOAD_ID] [int] NULL,  
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,  
[ETL_VERSION] [int] NULL,  
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,  
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.5 [MARINFO4].[LOT2A_HISTORY_FLAG_DEC]

```
[COUNTRYCODE] [nvarchar](3) NOT NULL,  
[COUNTRYNAME] [nvarchar](50) NOT NULL,  
[ISO2] [nvarchar](2) NULL,  
[ISO3] [nvarchar](3) NULL,  
[FROMDATE] [nvarchar](6) NULL,  
[TODATE] [nvarchar](6) NULL,  
[LOAD_ID] [int] NULL,  
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,  
[ETL_VERSION] [int] NULL,  
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,  
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.6 [MARINFO4].[LOT2A_HISTORY_MANAGER]

```
[IMO] [nvarchar](7) NOT NULL,  
[SEQUENCE] [nvarchar](2) NOT NULL,  
[EFFECTIVEDATE] [nvarchar](8) NOT NULL,  
[SHIPMANAGERNAME] [nvarchar](50) NOT NULL,  
[SHIPMANAGERCODE] [nvarchar](7) NOT NULL,  
[LOAD_ID] [int] NULL,  
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,  
[ETL_VERSION] [int] NULL,  
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,  
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.7 [MARINFO4].[LOT2A_HISTORY_NAME]

```
[IMO] [nvarchar](7) NOT NULL,  
[SEQUENCE] [nvarchar](2) NOT NULL,  
[SHIPNAME] [nvarchar](50) NOT NULL,  
[EFFECTIVEDATE] [nvarchar](6) NOT NULL,  
[LOAD_ID] [int] NULL,  
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,  
[ETL_VERSION] [int] NULL,
```

```
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.8 [MARINFO4].[LOT2A_HISTORY_OPERATOR]

```
[IMO] [nvarchar](7) NOT NULL,
[SEQUENCE] [nvarchar](2) NOT NULL,
[EFFECTIVEDATE] [nvarchar](8) NOT NULL,
[OPERATORNAME] [nvarchar](50) NOT NULL,
[OPERATORCODE] [nvarchar](7) NOT NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.9 [MARINFO4].[LOT2A_HISTORY_OWNER]

```
[IMO] [nvarchar](7) NOT NULL,
[SEQUENCE] [nvarchar](2) NOT NULL,
[EFFECTIVEDATE] [nvarchar](8) NOT NULL,
[REGOWNERNAME] [nvarchar](50) NOT NULL,
[REGOWNERCODE] [nvarchar](7) NOT NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.10 [MARINFO4].[LOT2A_HISTORY_PANDI]

```
[IMO] [nvarchar](7) NOT NULL,
[SEQUENCE] [nvarchar](2) NOT NULL,
[PICLUBCODE] [nvarchar](20) NOT NULL,
[PICLUBNAME] [nvarchar](100) NULL,
[EFFECTIVEDATE] [nvarchar](8) NOT NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.11 [MARINFO4].[LOT2A_HISTORY_STATUS]

```
[IMO] [nvarchar](7) NOT NULL,
[STATUSNAME] [nvarchar](50) NOT NULL,
[SEQUENCE] [nvarchar](2) NOT NULL,
[EFFECTIVEDATE] [nvarchar](8) NOT NULL,
[STATUSCODE] [nvarchar](1) NOT NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
```

```
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,  
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.12 [MARINFO4].[LOT2A_HISTORY_TECHMANAGER]

```
[IMO] [nvarchar](7) NOT NULL,  
[SEQUENCE] [nvarchar](2) NOT NULL,  
[EFFECTIVEDATE] [nvarchar](8) NOT NULL,  
[TECHMANAGERNAME] [nvarchar](50) NOT NULL,  
[TECHMANAGERCODE] [nvarchar](7) NOT NULL,  
[LOAD_ID] [int] NULL,  
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,  
[ETL_VERSION] [int] NULL,  
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,  
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.13 [MARINFO4].[LOT2A_HULL_SHAPE]

```
[HULLSHAPECODE] [nvarchar](20) NOT NULL,  
[HULLSHAPENAME] [nvarchar](30) NOT NULL,  
[LOAD_ID] [int] NULL,  
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,  
[ETL_VERSION] [int] NULL,  
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,  
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.14 [MARINFO4].[LOT2A_SHIP]

```
[IMO] [nvarchar](7) NOT NULL,  
[SHIPNAME] [nvarchar](50) NOT NULL,  
[LASTUPDATEDATE] [datetime] NULL,  
[FLAGNAME] [nvarchar](50) NULL,  
[FLAGCODE] [nvarchar](3) NULL,  
[FLAGEFFECTIVEDATE] [nvarchar](6) NULL,  
[PORTOFREGISTRY] [nvarchar](50) NULL,  
[MMSI] [nvarchar](9) NULL,  
[CALLSIGN] [nvarchar](13) NULL,  
[INMARSATNUMBERSATCOMMID] [nvarchar](10) NULL,  
[SHIPTYPELEVEL5] [nvarchar](55) NOT NULL,  
[STATCODE5] [nvarchar](255) NULL,  
[SHIPSTATUS] [nvarchar](255) NOT NULL,  
[SHIPSTATUSCODE] [nvarchar](1) NOT NULL,  
[SHIPSTATUSEFFECTIVEDATE] [nvarchar](8) NULL,  
[CLASSIFICATIONSOCIETY] [nvarchar](254) NULL,  
[CLASSSOCIEITYCODE] [nvarchar](15) NULL,  
[CLASSNARRATIVE] [nvarchar](max) NULL,  
[SAFETYMNGDOCCOMPANY] [nvarchar](50) NULL,  
[SAFETYMNGISSUER] [nvarchar](20) NULL,  
[SAFETYMNGDATEISSUED] [nvarchar](12) NULL,  
[SAFETYMNGDATEEXPIRES] [nvarchar](12) NULL,  
[REGOWNERNAME] [nvarchar](50) NULL,
```



```
[REGOWNERCODE] [nvarchar](7) NULL,
[REGOWNERCTRYCONTROL] [nvarchar](50) NULL,
[REGOWNERCTRYDOMICILE] [nvarchar](50) NULL,
[REGOWNERCTRYREGISTRATION] [nvarchar](50) NULL,
[GROUPBENEFNAME] [nvarchar](50) NULL,
[GROUPBENEFCODE] [nvarchar](7) NULL,
[GROUPBENEFCTRYCONTROL] [nvarchar](50) NULL,
[GROUPBENEFCTRYDOMICILE] [nvarchar](50) NULL,
[GROUPBENEFCTRYREGISTRATION] [nvarchar](50) NULL,
[DOCCOMPANYNAME] [nvarchar](50) NULL,
[DOCCOMPANYCODE] [nvarchar](7) NULL,
[DOCCOMPANYCTRYCONTROL] [nvarchar](50) NULL,
[DOCCOMPANYCTRYDOMICILE] [nvarchar](50) NULL,
[DOCCOMPANYCTRYREGISTRATION] [nvarchar](50) NULL,
[TECHMANAGERNAME] [nvarchar](50) NULL,
[TECHMANAGERCODE] [nvarchar](7) NULL,
[TECHMANAGERCTRYCONTROL] [nvarchar](50) NULL,
[TECHMANAGERCTRYDOMICILE] [nvarchar](50) NULL,
[TECHMANAGERCTRYREGISTRATION] [nvarchar](50) NULL,
[OPERATORNAME] [nvarchar](50) NULL,
[OPERATORCODE] [nvarchar](7) NULL,
[OPERATORCTRYCONTROL] [nvarchar](50) NULL,
[OPERATORCTRYDOMICILE] [nvarchar](50) NULL,
[OPERATORCTRYREGISTRATION] [nvarchar](50) NULL,
[SHIPMANAGERNAME] [nvarchar](50) NULL,
[SHIPMANAGERCODE] [nvarchar](7) NULL,
[SHIPMANAGERCTRYCONTROL] [nvarchar](50) NULL,
[SHIPMANAGERCTRYDOMICILE] [nvarchar](50) NULL,
[SHIPMANAGERCTRYREGISTRATION] [nvarchar](50) NULL,
[HULLTYPE] [nvarchar](50) NULL,
[HULLTYPECODE] [nvarchar](6) NULL,
[HULLMATERIALNAME] [nvarchar](60) NULL,
[HULLMATERIALCODE] [nvarchar](20) NULL,
[HULLSHAPECODE] [nvarchar](20) NULL,
[GT] [int] NULL,
[DWT] [int] NULL,
[NETTONNAGE] [int] NULL,
[LIGHTDISPLACEMENTTONNAGE] [int] NULL,
[KEELLAIDDATE] [nvarchar](8) NULL,
[CONTRACTDATE] [nvarchar](8) NULL,
[NEWCONSTRUCTIONENTRYDATE] [nvarchar](8) NULL,
[DATEOFBUILD] [nvarchar](6) NOT NULL,
[LOA] [decimal](13, 3) NULL,
[BREADTHEXTREME] [decimal](13, 3) NULL,
[LBP] [decimal](13, 3) NULL,
[BREADTHMOULDED] [decimal](13, 3) NULL,
[DRAUGHT] [decimal](7, 3) NULL,
[DEPTH] [decimal](6, 3) NULL,
```

```
[FREEBOARD] [decimal](18, 2) NULL,
[KEELTOMASTHEIGHT] [decimal](13, 3) NULL,
[INSULATEDCAPACITY] [int] NULL,
[REEFERPOINTS] [int] NULL,
[NUMBEROFRAMPS] [int] NULL,
[NUMBEROFROROLANES] [int] NULL,
[NUMBEROFRORORAMPS] [int] NULL,
[NUMBEROFTANKS] [int] NULL,
[NUMBEROFHATCHES] [int] NULL,
[NUMBEROFHOLDS] [int] NULL,
[NUMBEROFDECKS] [int] NULL,
[LENGTHOFROROLANES] [int] NULL,
[WIDTHOFROROLANES] [decimal](12, 2) NULL,
[PASSENGERSBERTHED] [int] NULL,
[PASSENGERCAPACITY] [int] NULL,
[PANDICLUB] [nvarchar](100) NULL,
[PANDICLUBCODE] [nvarchar](20) NULL,
[COUNTRYOFBUILD] [nvarchar](50) NULL,
[SHIPBUILDER] [nvarchar](50) NULL,
[SHIPBUILDERCODE] [nvarchar](9) NULL,
[DEATHDATE] [nvarchar](8) NULL,
[COUNTRYOFBREAKING] [nvarchar](50) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.15 [MARINFO4].[LOT2A_SPECIAL_FEATURES]

```
[IMO] [nvarchar](7) NOT NULL,
[SEQUENCE] [nvarchar](3) NOT NULL,
[SPECIALFEATURENAME] [nvarchar](30) NOT NULL,
[SPECIALFEATURECODE] [nvarchar](4) NOT NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.16 [MARINFO4].[LOT2A_SPECIAL_FEATURES_DEC]

```
[SPECIALFEATURECODE] [nvarchar](4) NOT NULL,
[SPECIALFEATURE] [nvarchar](30) NOT NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.17 [MARINFO4].[LOT2A_STOWAGE_COMMODITY]

```
[IMO] [nvarchar](7) NOT NULL,
[SEQUENCE] [nvarchar](2) NOT NULL,
[STOWAGECODE] [nvarchar](2) NOT NULL,
[STOWAGEDECODE] [nvarchar](30) NOT NULL,
[COMMODITYCODE] [nvarchar](5) NOT NULL,
[COMMODITYDECODE] [nvarchar](30) NOT NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.18 [MARINFO4].[LOT2B_CASUALTIES]

```
[CASUALTYID] [nvarchar](14) NOT NULL,
[INCIDENTNUMBER] [nvarchar](7) NOT NULL,
[INCIDENTDATE] [nvarchar](8) NOT NULL,
[IMO] [nvarchar](7) NOT NULL,
[STATUSATTIMEOFINCIDENTCODE] [nvarchar](1) NULL,
[STATUSATTIMEOFINCIDENT] [nvarchar](255) NULL,
[NAMEATTIMEOFINCIDENT] [nvarchar](50) NULL,
[FLAGATTIMEOFINCIDENTCODE] [nvarchar](3) NULL,
[FLAGATTIMEOFINCIDENT] [nvarchar](39) NULL,
[SHIPTYPELEVEL5ATTIMEOFINCIDENT] [nvarchar](255) NULL,
[SHIPTYPELEVEL5CODEATTIMEOFINCIDENT] [nvarchar](255) NULL,
[OWNERATTIMEOFINCIDENT] [nvarchar](255) NULL,
[OWNERATTIMEOFINCIDENTCODE] [nvarchar](7) NULL,
[OPERATORATTIMEOFINCIDENT] [nvarchar](255) NULL,
[OPERATORATTIMEOFINCIDENTCODE] [nvarchar](7) NULL,
[SHIPMANAGERATTIMEOFINCIDENT] [nvarchar](255) NULL,
[SHIPMANAGERATTIMEOFINCIDENTCODE] [nvarchar](14) NULL,
[CLASS1ATTIMEOFINCIDENT] [nvarchar](30) NULL,
[CLASS2ATTIMEOFINCIDENT] [nvarchar](30) NULL,
[SEVERITYINDICATOR] [nvarchar](11) NULL,
[CASUALTYORDEMOLITIONINDICATOR] [nvarchar](21) NULL,
[TOTALLOSSINDICATOR] [nvarchar](3) NULL,
[CASUALTYTYPE] [nvarchar](255) NULL,
[PRECISTEXT] [nvarchar](235) NULL,
[COMPLIMENTARYTEXT] [nvarchar](464) NULL,
[NUMBERKILLED] [int] NULL,
[NUMBERMISSING] [int] NULL,
[POLLUTIONOCCURED] [nvarchar](7) NULL,
[POLLUTIONQUANTITY] [nvarchar](9) NULL,
[POLLUTIONTYPE] [nvarchar](30) NULL,
[POLLUTIONUNITS] [nvarchar](30) NULL,
[OTHERSHIPINVOLVEDLRNUMBER1] [nvarchar](7) NULL,
[OTHERSHIPINVOLVEDLRNUMBER2] [nvarchar](7) NULL,
[OTHERSHIPINVOLVEDLRNUMBER3] [nvarchar](7) NULL,
```

```

[OTHERSHIPINVOLVEDNAME1] [nvarchar](30) NULL,
[OTHERSHIPINVOLVEDNAME2] [nvarchar](30) NULL,
[OTHERSHIPINVOLVEDNAME3] [nvarchar](30) NULL,
[LOCATIONTYPE] [nvarchar](255) NULL,
[MARSDENGRIDREF] [nvarchar](3) NULL,
[ZONE] [nvarchar](30) NULL,
[STARTPORT] [nvarchar](39) NULL,
[VOYAGEFROM] [nvarchar](255) NULL,
[VOYAGETO] [nvarchar](255) NULL,
[STARTLATITUDE] [nvarchar](7) NULL,
[ENDLATITUDE] [nvarchar](7) NULL,
[STARTLONGITUDE] [nvarchar](8) NULL,
[ENDLONGITUDE] [nvarchar](8) NULL,
[CARGOSTATUS] [nvarchar](255) NULL,
[CARGOTEXT1] [nvarchar](20) NULL,
[CARGOTEXT2] [nvarchar](20) NULL,
[CARGOTEXT3] [nvarchar](20) NULL,
[DEATHDATE] [nvarchar](8) NULL,
[COUNTRYOFBREAKING] [nvarchar](50) NULL,
[DATEARRIVEDATBREAKERS] [nvarchar](8) NULL,
[DATEBREAKINGCOMMENCED] [nvarchar](8) NULL,
[DATEBREAKINGCOMPLETED] [nvarchar](8) NULL,
[DEADWEIGHTATTIMEOFINCIDENT] [int] NULL,
[GROSSTONNAGEATTIMEOFINCIDENT] [int] NULL,
[SHIPBREAKER] [nvarchar](36) NULL,
[PLACEOFBREAKING] [nvarchar](50) NULL,
[SCRAPPRICE] [nvarchar](60) NULL,
[MISSINGINDICATOR] [nvarchar](1) NULL,
[KILLEDINDICATOR] [nvarchar](1) NULL,
[POLLUTIONDETAILS] [nvarchar](297) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,

```

1.19 [MARINFO4].[LOT2B_EVENTS]

```

[ID] [nvarchar](14) NOT NULL,
[IMO] [nvarchar](7) NOT NULL,
[INNO] [nvarchar](7) NOT NULL,
[EVENTSEQUENCE] [nvarchar](2) NOT NULL,
[EVENTDATE] [nvarchar](8) NULL,
[EVENTINITIAL] [nvarchar](255) NULL,
[EVENTACTION] [nvarchar](255) NULL,
[EVENTCOMPONENT] [nvarchar](255) NULL,
[EVENTPOSITION] [nvarchar](255) NULL,
[EVENTEXTERNAL] [nvarchar](255) NULL,
[EVENTWEATHER] [nvarchar](255) NULL,

```

```
[EVENTINITIALCODE] [nvarchar](1) NULL,
[EVENTACTIONCODE] [nvarchar](2) NULL,
[EVENTCOMPONENTCODE] [nvarchar](4) NULL,
[EVENTPOSITIONCODE] [nvarchar](2) NULL,
[EVENTEXTERNALCODE] [nvarchar](1) NULL,
[EVENTWEATHERCODE] [nvarchar](2) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.20 [MARINFO4].[LOT2C_CERTIFICATES]

```
[CERTIFICATE_ID] [int] NOT NULL,
[INSPECTION_ID] [nvarchar](15) NOT NULL,
[IMO] [nvarchar](7) NOT NULL,
[CERTIFICATE_TITLE_CODE] [int] NULL,
[CERTIFICATE_TITLE] [nvarchar](200) NULL,
[ISSUING_AUTHORITY_CODE] [int] NULL,
[ISSUING_AUTHORITY] [nvarchar](200) NULL,
[CLASS_SOC_OF_ISSUER] [nvarchar](200) NULL,
[OTHER_ISSUING_AUTHORITY] [nvarchar](200) NULL,
[ISSUE_DATE] [datetime] NULL,
[EXPIRY_DATE] [datetime] NULL,
[INSPECTION_DATE] [nvarchar](10) NULL,
[INSPECTED_BY] [nvarchar](50) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.21 [MARINFO4].[LOT2C_DEFECTS]

```
[INSPECTIONID] [nvarchar](15) NOT NULL,
[DEFECT_CODE] [nvarchar](12) NULL,
[DEFECT_TEXT] [nvarchar](255) NULL,
[ACTION_1] [nvarchar](50) NULL,
[ACTION_2] [nvarchar](50) NULL,
[ACTION_3] [nvarchar](50) NULL,
[OTHER_ACTION] [nvarchar](255) NULL,
[MAIN_DEFECT_CODE] [nvarchar](10) NULL,
[MAIN_DEFECT_TEXT] [nvarchar](255) NULL,
[OTHER_RECOGNISED_ORG_RESP] [nvarchar](255) NULL,
[RECOGNISED_ORG_RESP] [nvarchar](255) NULL,
[RECOGNISED_ORG_RESP_CODE] [int] NULL,
[RECOGNISED_ORG_RESP_YN] [nvarchar](1) NULL,
[ACTION_CODE_1] [nvarchar](2) NULL,
[ACTION_CODE_2] [nvarchar](2) NULL,
```



```
[ACTION_CODE_3] [nvarchar](2) NULL,
[DEFECT_ID] [int] NOT NULL,
[CLASSISRESPONSIBLE] [nvarchar](1) NULL,
[DETENTIONREASONDEFICIENCY] [nvarchar](1) NULL,
[DEFECTIVEITEMCODE] [nvarchar](5) NULL,
[NATUREOFDEFECTCODE] [nvarchar](4) NULL,
[NATUREOFDEFECTDECODE] [nvarchar](255) NULL,
[ISACCIDENTALDAMAGE] [nvarchar](1) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.22 [MARINFO4].[LOT2C_INSPECTIONS]

```
[INSPECTIONID] [nvarchar](15) NOT NULL,
[IMO] [nvarchar](7) NOT NULL,
[SHIPNAME] [nvarchar](50) NULL,
[FLAG] [nvarchar](120) NULL,
[CLASS] [nvarchar](120) NULL,
[SHIPTYPEDECODE] [nvarchar](120) NULL,
[SHIPTYPECODE] [nvarchar](7) NULL,
[GROSSTONNAGE] [int] NULL,
[DEADWEIGHT] [int] NULL,
[YEAROFBUILD] [nvarchar](4) NULL,
[OWNER] [nvarchar](255) NULL,
[MANAGER] [nvarchar](255) NULL,
[INSPECTIONDATE] [datetime] NULL,
[SOURCE] [nvarchar](50) NULL,
[AUTHORISATION] [nvarchar](50) NULL,
[INSPECTIONPORTDECODE] [nvarchar](50) NULL,
[UNLOCODE] [nvarchar](15) NULL,
[COUNTRY] [nvarchar](50) NULL,
[NUMBEROFDEFECTS] [nvarchar](10) NULL,
[SHIPDETAINED] [nvarchar](5) NULL,
[NUMBEROFDAYSDETAINED] [int] NULL,
[NUMBEROFPARTDAYSDETAINED] [decimal](8, 2) NULL,
[FOLLOWUPINSPECTION] [nvarchar](1) NULL,
[EXPANDEDINSPECTION] [nvarchar](5) NULL,
[OTHERINSPECTIONTYPE] [nvarchar](100) NULL,
[RELEASEDATE] [datetime] NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.23 [MARINFO4].[LOT2D_AUXILIARY_ENGINES]

```
[IMO] [nvarchar](7) NOT NULL,
[SEQUENCE_NUMBER] [nvarchar](2) NOT NULL,
[ENGINE_BUILDER] [nvarchar](255) NULL,
[ENGINE_DESIGNER] [nvarchar](255) NULL,
[ENGINE_MODEL] [nvarchar](50) NULL,
[NBCYLINDERS] [nvarchar](3) NULL,
[BORE] [nvarchar](6) NULL,
[STROKE] [nvarchar](6) NULL,
[STROKE_TYPE] [nvarchar](255) NULL,
[MAX_POWER] [nvarchar](6) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.24 [MARINFO4].[LOT2D_AUXILIARY_GENERATORS]

```
[IMO] [nvarchar](7) NOT NULL,
[NUMBER_UNITS] [int] NULL,
[KWEACH] [decimal](7, 2) NULL,
[VOLTAGE1] [int] NULL,
[VOLTAGE2] [int] NULL,
[FREQUENCY] [int] NULL,
[ACDC] [nvarchar](2) NULL,
[MAIN_ENGINE_DRIVEN] [nvarchar](2) NULL,
[SEQUENCE_NUMBER] [nvarchar](2) NOT NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.25 [MARINFO4].[LOT2D_BOILERS]

```
[IMO] [nvarchar](7) NOT NULL,
[SEQUENCE_NUMBER] [nvarchar](2) NOT NULL,
[BUILDER] [nvarchar](50) NULL,
[DESIGN] [nvarchar](50) NULL,
[EFFECTIVEDATE] [nvarchar](6) NULL,
[NBBOILERS] [nvarchar](2) NULL,
[BOILERCODE] [nvarchar](2) NULL,
[BOILER] [nvarchar](50) NULL,
[FIRINGTYPECODE] [nvarchar](1) NULL,
[FIRINGTYPEDECODE] [nvarchar](50) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
```

```
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.26 [MARINFO4].[LOT2D_MAIN_GENERATORS]

```
[IMO] [nvarchar](7) NOT NULL,
[SEQUENCE_NUMBER] [nvarchar](2) NOT NULL,
[GENERATORPOSITION] [nvarchar](30) NOT NULL,
[NUMBER_UNIT] [int] NOT NULL,
[KW] [int] NULL,
[VOLTAGE] [int] NULL,
[ACDC] [nvarchar](1) NULL,
[FREQUENCY] [int] NULL,
[GENERATORMAKER] [nvarchar](25) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.27 [MARINFO4].[LOT2D_PROPELLERS]

```
[IMO] [nvarchar](7) NOT NULL,
[SEQUENCE_NUMBER] [nvarchar](2) NOT NULL,
[PROPELLER_POSITION] [nvarchar](255) NULL,
[PROPELLER_TYPE] [nvarchar](255) NULL,
[PROPELLER_TYPE_CODE] [nvarchar](2) NULL,
[RPMSERVICE] [int] NULL,
[RPMMAXIMUM] [int] NULL,
[NOZZLETYPE] [nvarchar](255) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.28 [MARINFO4].[LOT2D_PROPULSION_TYPE]

```
[PROPULSIONTYPECODE] [nvarchar](20) NOT NULL,
[PROPULSIONTYPE] [nvarchar](30) NOT NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.29 [MARINFO4].[LOT2D_SCRUBBER]

```
[IMO] [nvarchar](7) NOT NULL,
[SCRUBBER_DESIGNER] [nvarchar](250) NULL,
[SCRUBBER_RETROFITTED] [nvarchar](1) NULL,
[SCRUBBER_RETROFITTED_YEAR] [int] NULL,
[SCRUBBER_TYPE] [nvarchar](250) NULL,
```

```
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.30 [MARINFO4].[LOT2D_SHIP_ENGINE]

```
[IMO] [nvarchar](7) NOT NULL,
[MMSI] [nvarchar](9) NULL,
[SHIP_NAME] [nvarchar](50) NOT NULL,
[SHIP_TYPE_NAME_LV5] [nvarchar](55) NOT NULL,
[SHIP_TYPE_CODE_LV5] [nvarchar](255) NOT NULL,
[SHIPSTATUS] [nvarchar](255) NOT NULL,
[DATEOFBUILD] [nvarchar](6) NOT NULL,
[PROPULSIONTYPE] [nvarchar](30) NULL,
[PROPULSIONTYPECODE] [nvarchar](4) NULL,
[SPEED_MAX] [decimal](12, 2) NULL,
[SPEED_SERVICE] [decimal](12, 2) NULL,
[DRAUGHT] [decimal](7, 3) NULL,
[GROSSTONNAGE] [int] NULL,
[DEADWEIGHT] [int] NULL,
[LENGTHBETWEENPERPENDICULARS] [decimal](13, 3) NULL,
[LENGTHOVERALL] [decimal](13, 3) NULL,
[NBALLENGINES] [int] NULL,
[NBMAINENGINES] [int] NULL,
[NUMBEROFAUXILIARYENGINES] [int] NULL,
[NUMBEROFGENERATORS] [int] NULL,
[MAIN_ENGINE_DESIGNER] [nvarchar](100) NULL,
[MAIN_ENGINE_BUILDER] [nvarchar](255) NULL,
[MAIN_ENGINE_MODEL] [nvarchar](50) NULL,
[MAINENGINESTROKETYPE] [nvarchar](1) NULL,
[MAINENGINE TYPE] [nvarchar](12) NULL,
[MAIN_ENGINE_RPM] [int] NULL,
[POWER_BHP_MAX] [int] NULL,
[POWERBHPPIHP SHPSERVICE] [int] NULL,
[POWER_KW_MAX] [int] NULL,
[POWERKW SERVICE] [int] NULL,
[TOTALHORSEPOWEROFAUXILIARYGENERATORS] [int] NULL,
[TOTALHORSEPOWEROFMAINENGINES] [int] NULL,
[TOTALKILOWATTSOFAUXILIARYGENERATORS] [int] NULL,
[TOTALKILOWATTSOFAUXILIARYENGINES] [int] NULL,
[TOTALHORSEPOWEROFMAINENGINES] [int] NULL,
[TOTALHORSEPOWEROFMAINGENERATORS] [int] NULL,
[TOTALPOWEROFALL ENGINES] [int] NULL,
[TOTALPOWEROFAUXILIARYENGINES] [int] NULL,
[CONSUMPTION_SPEED_1] [decimal](18, 2) NULL,
[CONSUMPTIONVALUE1] [decimal](18, 2) NULL,
[CONSUMPTION_SPEED_2] [decimal](18, 2) NULL,
[CONSUMPTIONVALUE2] [decimal](18, 2) NULL,
[FUEL_TYPE_1_CAP] [decimal](12, 2) NULL,
```

```
[FUEL_TYPE_1_FIRST] [nvarchar](30) NULL,
[FUEL_TYPE_2_CAP] [decimal](12, 2) NULL,
[FUEL_TYPE_2_SEC] [nvarchar](30) NULL,
[PROPELLER_TYPE] [nvarchar](30) NULL,
[PROPELLERMANUFACTURER] [nvarchar](250) NULL,
[BOILERMANUFACTURER] [nvarchar](250) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.31 [MARINFO4].[LOT2D_SPECIAL_FEATURES]

```
[IMO] [nvarchar](7) NOT NULL,
[SEQUENCE] [nvarchar](3) NOT NULL,
[SPECIALFEATURENAME] [nvarchar](30) NOT NULL,
[SPECIALFEATURECODE] [nvarchar](4) NOT NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.32 [MARINFO4].[LOT2D_THRUSTERS]

```
[IMO] [nvarchar](7) NOT NULL,
[SEQUENCE] [nvarchar](2) NOT NULL,
[THRUSTERTYPENAME] [nvarchar](30) NULL,
[THRUSTERTYPECODE] [nvarchar](2) NULL,
[NUMBEROFTHRUSTERS] [int] NULL,
[THRUSTERPOSITION] [nvarchar](255) NULL,
[THRUSTERBHP] [int] NULL,
[THRUSTERKW] [int] NULL,
[TYPEOFINSTALLATION] [nvarchar](19) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.33 [MARINFO4].[LOT2E_BUILDER_DETAILS]

```
[BUILDERCODE] [nvarchar](9) NOT NULL,
[SHIPBUILDERNAME] [nvarchar](280) NULL,
[SHIPBUILDER] [nvarchar](50) NOT NULL,
[FULLADDRESS] [nvarchar](221) NULL,
[COUNTRYNAME] [nvarchar](50) NULL,
[CONTACT] [nvarchar](200) NULL,
[EMAILADDRESS] [nvarchar](200) NULL,
[FACSIMILE] [nvarchar](200) NULL,
```



```
[TELEPHONE] [nvarchar](200) NULL,
[TELEX] [nvarchar](200) NULL,
[WEBSITE] [nvarchar](200) NULL,
[COUNTRYCODE] [nvarchar](3) NULL,
[TOWNCODE] [nvarchar](4) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.34 [MARINFO4].[LOT2E_DEMOLITIONS]

```
[CASUALTYID] [nvarchar](14) NOT NULL,
[INCIDENTNUMBER] [nvarchar](7) NOT NULL,
[INCIDENTDATE] [nvarchar](8) NULL,
[IMO] [nvarchar](7) NOT NULL,
[NAMEATTIMEOFINCIDENT] [nvarchar](50) NOT NULL,
[CLASS1ATTIMEOFINCIDENT] [nvarchar](30) NULL,
[CLASS2ATTIMEOFINCIDENT] [nvarchar](30) NULL,
[FLAGATTIMEOFINCIDENTCODE] [nvarchar](3) NULL,
[FLAGATTIMEOFINCIDENT] [nvarchar](39) NULL,
[DEATHDATE] [nvarchar](8) NULL,
[CASUALTYORDEMOLITIONINDICATOR] [nvarchar](21) NULL,
[SHIPBREAKER] [nvarchar](36) NULL,
[COUNTRYOFBREAKING] [nvarchar](50) NULL,
[PLACEOFBREAKING] [nvarchar](50) NULL,
[DATEARRIVEDATBREAKERS] [nvarchar](8) NULL,
[DATEBREAKINGCOMMENCED] [nvarchar](8) NULL,
[DATEBREAKINGCOMPLETED] [nvarchar](8) NULL,
[SHIPTYPELEVEL5ATTIMEOFINCIDENT] [nvarchar](255) NULL,
[STATCODE5ATTIMEOFINCIDENT] [nvarchar](255) NULL,
[DWTATTIMEOFINCIDENT] [int] NULL,
[GTATTIMEOFINCIDENT] [int] NULL,
[PROPULSIONTYPEATTIMEOFINCIDENT] [nvarchar](255) NULL,
[SCRAPPRICE] [nvarchar](60) NULL,
[OWNERATTIMEOFINCIDENT] [nvarchar](255) NULL,
[OWNERATTIMEOFINCIDENTCODE] [nvarchar](7) NULL,
[SHIPMANAGERATTIMEOFINCIDENT] [nvarchar](255) NULL,
[SHIPMANAGERATTIMEOFINCIDENTCODE] [nvarchar](7) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.35 [MARINFO4].[LOT2E_NEWBUILDINGS]

```
[IMO] [nvarchar](7) NOT NULL,
[SHIP_NAME] [nvarchar](50) NOT NULL,
```

```
[SHIPSTATUSNAME] [nvarchar](255) NOT NULL,  
[SHIPSTATUSCODE] [nvarchar](1) NOT NULL,  
[SHIPSTATUSEFFECTIVEDATE] [nvarchar](8) NULL,  
[SHIP_TYPE_CODE_LV5] [nvarchar](255) NOT NULL,  
[SHIPTYPELEVEL5] [nvarchar](255) NOT NULL,  
[HULLTYPE] [nvarchar](50) NULL,  
[GT] [int] NOT NULL,  
[DWT] [int] NULL,  
[LDT] [int] NULL,  
[CLASSIFICATIONSOCIETY] [nvarchar](254) NULL,  
[SHIPBUILDERNAME] [nvarchar](50) NULL,  
[SHIPBUILDERCODE] [nvarchar](9) NULL,  
[COUNTRYBUILDNAME] [nvarchar](50) NULL,  
[COUNTRYBUILDCODE] [nvarchar](3) NULL,  
[YARDNUMBER] [nvarchar](50) NULL,  
[CONTRACTDATE] [nvarchar](8) NULL,  
[NEWCONSTRUCTIONENTRYDATE] [nvarchar](8) NULL,  
[KEELLAIDDATE] [nvarchar](8) NULL,  
[LAUNCHDATE] [nvarchar](8) NULL,  
[CANCELDATE] [nvarchar](8) NULL,  
[DATEOFBUILD] [nvarchar](6) NOT NULL,  
[FLAGNAME] [nvarchar](50) NULL,  
[GROUPBENEFNAME] [nvarchar](7) NOT NULL,  
[GROUPBENEFCODE] [nvarchar](50) NULL,  
[GROUPBENEFCTRYCONTROL] [nvarchar](50) NULL,  
[GROUPBENEFCTRYDOMICILE] [nvarchar](50) NULL,  
[GROUPBENEFCTRYREGISTRATION] [nvarchar](50) NULL,  
[REGOWNERNAME] [nvarchar](50) NULL,  
[REGOWNERCODE] [nvarchar](7) NOT NULL,  
[REGOWNERCTRYCONTROL] [nvarchar](50) NULL,  
[REGOWNERCTRYDOMICILE] [nvarchar](50) NULL,  
[REGOWNERCTRYREGISTRATION] [nvarchar](50) NULL,  
[SHIPMANAGERCODE] [nvarchar](7) NOT NULL,  
[SHIPMANAGERNAME] [nvarchar](50) NULL,  
[SHIPMANAGERCTRYCONTROL] [nvarchar](50) NULL,  
[SHIPMANAGERCTRYDOMICILE] [nvarchar](50) NULL,  
[SHIPMANAGERCTRYREGISTRATION] [nvarchar](50) NULL,  
[OPERATORCODE] [nvarchar](7) NOT NULL,  
[OPERATORNAME] [nvarchar](50) NOT NULL,  
[OPERATORCTRYCONTROL] [nvarchar](50) NULL,  
[OPERATORCTRYDOMICILE] [nvarchar](50) NULL,  
[OPERATORCTRYREGISTRATION] [nvarchar](50) NULL,  
[NEWBUILDPRICE] [bigint] NULL,  
[NEWBUILDPRICEUSD] [int] NULL,  
[STANDARDSHIPDESIGN] [nvarchar](50) NULL,  
[LEADSHIPINERIESBYIMONUMBER] [nvarchar](7) NULL,  
[DOCUMENTOFCOMPLIANCEDOCCOMPANYCODE] [nvarchar](50) NULL,  
[DOCCOMPANY] [nvarchar](50) NULL,
```

```
[DOCCOUNTRYOFCONTROL] [nvarchar](50) NULL,
[DOCCOMPANYCOUNTRYOFDOMICILE] [nvarchar](50) NULL,
[TECHNICALMANAGERCODE] [nvarchar](50) NULL,
[TECHNICALMANAGER] [nvarchar](50) NULL,
[TECHNICALMANAGERCOUNTRYOFCONTROL] [nvarchar](50) NULL,
[TECHNICALMANAGERCOUNTRYOFDOMICILE] [nvarchar](50) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.36 [MARINFO4].[LOT1A_BERTH_CALLINGS]

```
[CALLINGID] [nvarchar](29) NOT NULL,
[IMO] [int] NOT NULL,
[MMSI] [int] NOT NULL,
[SHIPNAME] [nvarchar](50) NOT NULL,
[SHIPTYPEGROUP] [nvarchar](60) NULL,
[SHIPTYPELEVEL5] [nvarchar](50) NOT NULL,
[STATCODE5] [nvarchar](7) NOT NULL,
[COUNTRY] [nvarchar](40) NOT NULL,
[COUNTRYCODE] [nvarchar](3) NULL,
[PORTID] [int] NOT NULL,
[PORTNAME] [nvarchar](40) NOT NULL,
[TERMINALID] [int] NOT NULL,
[TERMINALNAME] [nvarchar](100) NOT NULL,
[TERMINALOPERATOR] [nvarchar](100) NULL,
[BERTHID] [int] NOT NULL,
[BERTHNAME] [nvarchar](200) NOT NULL,
[BERTHTYPE] [nvarchar](20) NULL,
[FACILITYTYPE] [nvarchar](10) NOT NULL,
[LATITUDE] [decimal](18, 9) NOT NULL,
[LONGITUDE] [decimal](18, 9) NOT NULL,
[ARRIVALDATE] [datetime] NOT NULL,
[DEPARTUREDATE] [datetime] NULL,
[ARRIVALDRAUGHT] [float] NULL,
[DEPARTUREDRAUGHT] [float] NULL,
[MAXIMUMDRAUGHT] [decimal](6, 3) NULL,
[DEADWEIGHT] [int] NULL,
[GROSSTONNAGE] [int] NULL,
[TEU] [int] NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.37 [MARINFO4].[LOT1A_MOVEMENTS]

```
[CALLID] [int] NOT NULL,
[IMO] [nvarchar](7) NOT NULL,
[SHIPNAME] [nvarchar](50) NOT NULL,
[SHIPTYPE] [nvarchar](255) NOT NULL,
[MOVEMENTTYPECODE] [nvarchar](1) NULL,
[COUNTRY] [nvarchar](40) NULL,
[OLDPORTID] [nvarchar](6) NULL,
[PORTID] [int] NULL,
[PORTNAME] [nvarchar](40) NULL,
[PORTGEOID] [int] NULL,
[ZONENAME] [nvarchar](100) NULL,
[ANCHORAGEPARENTID] [int] NULL,
[ANCHORAGEPARENTNAME] [nvarchar](40) NULL,
[ARRIVALDATE] [date] NULL,
[ARRIVALDATEFULL] [datetime] NULL,
[SAILDATE] [date] NOT NULL,
[SAILDATEFULL] [datetime] NOT NULL,
[HOURSINPORT] [int] NULL,
[ARRIVALDRAUGHT] [decimal](5, 3) NULL,
[DEPARTUREDRAUGHT] [decimal](5, 3) NULL,
[DESTINATION] [nvarchar](255) NULL,
[ETA] [datetime] NULL,
[LASTPORTOFCALLID] [int] NULL,
[LASTPORTOFCALLCOUNTRYCODE] [nvarchar](100) NULL,
[LASTPORTOFCALLCTRYNAME] [nvarchar](40) NULL,
[LASTPORTOFCALLNAME] [nvarchar](100) NULL,
[LASTPORTOFCALLARRIVALDATE] [datetime] NULL,
[LASTPORTOFCALLSAILDATE] [datetime] NULL,
[LASTPORTOFCALLCODE] [int] NULL,
[MOVEMENTTYPE] [nvarchar](310) NULL,
[DATECREATED] [datetime] NOT NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.38 [MARINFO4].[LOT1B_PORT_ANNUAL_PASSENGER_HIST]

```
[PORT_ID] [int] NOT NULL,
[ANNUAL_NO_PAX] [int] NOT NULL,
[NO_PAX_DATE] [datetime] NOT NULL,
[PORT_NAME] [nvarchar](40) NOT NULL,
[PASSENGERS_COMBINED_PORT_ID] [nvarchar](200) NULL,
[PASSENGERS_COMBINED_PORT_NAMES] [nvarchar](4000) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
```

```
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.39 [MARINFO4].[LOT1B_PORT_ANNUAL_STAT_CURR]

```
[PORT_ID] [int] NOT NULL,
[ANNUAL_TONNAGE] [int] NULL,
[TONNAGE_DATE] [datetime] NULL,
[ANNUAL_TEU] [int] NULL,
[TEU_DATE] [datetime] NULL,
[ANNUAL_NO_PAX] [int] NULL,
[NO_PAX_DATE] [datetime] NULL,
[ANNUAL_NO_VESSELS] [int] NULL,
[NO_VESSEL_DATE] [datetime] NULL,
[PORT_NAME] [nvarchar](40) NOT NULL,
[TONNAGE_COMBINED_PORT_ID] [nvarchar](200) NULL,
[TONNAGE_COMBINED_PORT_NAMES] [nvarchar](4000) NULL,
[TEU_COMBINED_PORT_ID] [nvarchar](200) NULL,
[TEU_COMBINED_PORT_NAMES] [nvarchar](4000) NULL,
[PASSENGERS_COMBINED_PORT_ID] [nvarchar](200) NULL,
[PASSENGERS_COMBINED_PORT_NAMES] [nvarchar](4000) NULL,
[VESSELS_COMBINED_PORT_ID] [nvarchar](200) NULL,
[VESSELS_COMBINED_PORT_NAMES] [nvarchar](4000) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.40 [MARINFO4].[LOT1B_PORT_ANNUAL_TEU_HIST]

```
[PORT_ID] [int] NOT NULL,
[ANNUAL_TEU] [int] NOT NULL,
[TEU_DATE] [datetime] NOT NULL,
[PORT_NAME] [nvarchar](40) NOT NULL,
[TEU_COMBINED_PORT_ID] [nvarchar](200) NULL,
[TEU_COMBINED_PORT_NAMES] [nvarchar](4000) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.41 [MARINFO4].[LOT1B_PORT_ANNUAL_TONNAGE_HIST]

```
[PORT_ID] [int] NOT NULL,
[ANNUAL_TONNAGE] [int] NOT NULL,
[TONNAGE_DATE] [datetime] NOT NULL,
[PORT_NAME] [nvarchar](40) NOT NULL,
[TONNAGE_COMBINED_PORT_ID] [nvarchar](200) NULL,
[TONNAGE_COMBINED_PORT_NAMES] [nvarchar](4000) NULL,
```



```
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.42 [MARINFO4].[LOT1B_PORT_ANNUAL_VESSELS_HIST]

```
[PORT_ID] [int] NOT NULL,
[ANNUAL_NO_VESSELS] [int] NOT NULL,
[NO_VESSEL_DATE] [datetime] NOT NULL,
[PORT_NAME] [nvarchar](40) NOT NULL,
[VESSELS_COMBINED_PORT_ID] [nvarchar](200) NULL,
[VESSELS_COMBINED_PORT_NAMES] [nvarchar](4000) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.43 [MARINFO4].[LOT1B_PORT_BERTH_CONNECTION]

```
[CONNECTION_ID] [int] NOT NULL,
[BERTH_ID] [int] NOT NULL,
[CARGO_TYPE] [nvarchar](50) NULL,
[CONNECTION_TYPE] [nvarchar](50) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.44 [MARINFO4].[LOT2F_STS]

```
[CALLID] [nvarchar](32) NOT NULL,
[STSSTARTDATE] [datetime] NOT NULL,
[STSENDDATE] [datetime] NULL,
[STSCOUNTRY] [nvarchar](40) NULL,
[LATITUDE] [float] NOT NULL,
[LONGITUDE] [float] NOT NULL,
[STSLOCATION] [nvarchar](8) NOT NULL,
[STSTYPE] [nvarchar](50) NULL,
[PORTNAMEIFATBERTH] [nvarchar](40) NULL,
[PORTID] [int] NULL,
[OLDPORTID] [nvarchar](6) NULL,
[BERTHNAMEIFATBERTH] [nvarchar](200) NULL,
[BERTHID] [int] NULL,
[SHIPONEIMO] [int] NOT NULL,
[SHIPONENAME] [nvarchar](50) NULL,
[SHIPONELASTPORTNAME] [nvarchar](40) NULL,
[SHIPONELASTPORTID] [int] NULL,
```

```
[SHIPONESHIPTYPELEVEL5] [nvarchar](50) NULL,
[SHIPONESTAT5CODE] [nvarchar](7) NULL,
[SHIPONEDATEOFBUILD] [nvarchar](6) NULL,
[SHIPONEDEADWEIGHT] [int] NULL,
[SHIPONEGROSSTONNAGE] [int] NULL,
[SHIPONEFLAG] [nvarchar](50) NULL,
[SHIPONEMMSI] [int] NULL,
[SHIPONEDRAUGHT] [decimal](6, 3) NULL,
[SHIPONEARRIVALDRAUGHT] [float] NULL,
[SHIPONEDEPARTUREDRAUGHT] [float] NULL,
[SHIPONELENGTHOVERALL] [decimal](6, 3) NULL,
[SHIPONELENGTHBETWEENPERPENDICULARS] [decimal](6, 3) NULL,
[SHIPONEBREADTHEXTREME] [decimal](6, 3) NULL,
[SHIPONEBREADTHMOULDED] [decimal](6, 3) NULL,
[SHIPONESPEED] [float] NULL,
[SHIPONETEU] [int] NULL,
[SHIPONEGROUPBENEFICIALOWNERNAME] [nvarchar](50) NULL,
[SHIPONEGROUPBENEFICIALOWNERCODE] [nvarchar](7) NULL,
[SHIPONEGBOCOUNTRYOFDOMICILE] [nvarchar](50) NULL,
[SHIPONEOPERATORNAME] [nvarchar](50) NULL,
[SHIPONEOPERATORCODE] [nvarchar](7) NULL,
[SHIPONEOPERATORCOUNTRYOFDOMICILE] [nvarchar](50) NULL,
[SHIPONEOWNERNAME] [nvarchar](50) NULL,
[SHIPONEOWNERCODE] [nvarchar](7) NULL,
[SHIPONEOWNERCOUNTRYOFDOMICILE] [nvarchar](50) NULL,
[SHIPONESHIPMANAGERNAME] [nvarchar](50) NULL,
[SHIPONESHIPMANAGERCODE] [nvarchar](7) NULL,
[SHIPONESHIPMANAGERCOUNTRYOFDOMICILE] [nvarchar](50) NULL,
[SHIPONETECHNICALMANAGERNAME] [nvarchar](50) NULL,
[SHIPONETECHNICALMANAGERCODE] [nvarchar](7) NULL,
[SHIPONETECHNICALMANAGERCOUNTRYOFDOMICILE] [nvarchar](50) NULL,
[SHIPONEDOCCOMPANYNAME] [nvarchar](50) NULL,
[SHIPONEDOCCODE] [nvarchar](7) NULL,
[SHIPONEDOCCOUNTRYOFDOMICILE] [nvarchar](50) NULL,
[SHIPTWOIMO] [int] NULL,
[SHIPTWONAME] [nvarchar](50) NULL,
[SHIPTWOLASTPORTNAME] [nvarchar](40) NULL,
[SHIPTWOLASTPORTID] [int] NULL,
[SHIPTWOSHIPTYPELEVEL5] [nvarchar](50) NULL,
[SHIPTWOSTAT5CODE] [nvarchar](7) NULL,
[SHIPTWODATEOFBUILD] [nvarchar](6) NULL,
[SHIPTWODEADWEIGHT] [int] NULL,
[SHIPTWOGROSSTONNAGE] [int] NULL,
[SHIPTWOFLAG] [nvarchar](50) NULL,
[SHIPTWOMMSI] [int] NULL,
[SHIPTWODRAUGHT] [decimal](6, 3) NULL,
[SHIPTWOARRIVALDRAUGHT] [float] NULL,
[SHIPTWODEPARTUREDRAUGHT] [float] NULL,
```

```

[SHIPTWOLENGTHOVERALL] [decimal](6, 3) NULL,
[SHIPTWOLENGTHBETWEENPERPENDICULARS] [decimal](6, 3) NULL,
[SHIPTWOBREADTHEXTREME] [decimal](6, 3) NULL,
[SHIPTWOBREADTHMOULDED] [decimal](6, 3) NULL,
[SHIPTWOTEU] [int] NULL,
[SHIPTWOSPEED] [float] NULL,
[SHIPTWOGROUPBENEFICIALOWNERNAME] [nvarchar](50) NULL,
[SHIPTWOGROUPBENEFICIALOWNERCODE] [nvarchar](7) NULL,
[SHIPTWOGBOCOUNTRYOFDOMICILE] [nvarchar](50) NULL,
[SHIPTWOOPERATORNAME] [nvarchar](50) NULL,
[SHIPTWOOPERATORCODE] [nvarchar](7) NULL,
[SHIPTWOOPERATORCOUNTRYOFDOMICILE] [nvarchar](50) NULL,
[SHIPTWOOWNERNAME] [nvarchar](50) NULL,
[SHIPTWOOWNERCODE] [nvarchar](7) NULL,
[SHIPTWOOWNERCOUNTRYOFDOMICILE] [nvarchar](50) NULL,
[SHIPTWOSHIPMANAGERNAME] [nvarchar](50) NULL,
[SHIPTWOSHIPMANAGERCODE] [nvarchar](7) NULL,
[SHIPTWOSHIPMANAGERCOUNTRYOFDOMICILE] [nvarchar](50) NULL,
[SHIPTWOTECHNICALMANAGERNAME] [nvarchar](50) NULL,
[SHIPTWOTECHNICALMANAGERCODE] [nvarchar](7) NULL,
[SHIPTWOTECHINCALMANGHERCOUNTRYOFDOMICILE] [nvarchar](50) NULL,
[SHIPTWODOCCOMPANYNAME] [nvarchar](50) NULL,
[SHIPTWODOCCODE] [nvarchar](7) NULL,
[SHIPTWODOCCOUNTRYOFDOMICILE] [nvarchar](50) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,

```

1.45 [MARINFO4].[LOT1B_PORT_MAR_POL]

```

[PORT_ID] [int] NOT NULL,
[OILYBILGEWATER] [bit] NULL,
[OILYBILGEWATERMAXQTY] [int] NULL,
[OILYBILGEWATERTOTAL] [int] NULL,
[OILYBILGEWATERNOTE] [nvarchar](50) NULL,
[OILYRESIDUES] [bit] NULL,
[OILYRESIDUESMAXQTY] [int] NULL,
[OILYRESIDUESTOTAL] [int] NULL,
[OILYRESIDUESNOTE] [nvarchar](50) NULL,
[OILYTANKWASHINGS] [bit] NULL,
[OILYTANKWASHINGSMAXQTY] [int] NULL,
[OILYTANKWASHINGSTOTAL] [int] NULL,
[OILYTANKWASHINGSNOTE] [nvarchar](50) NULL,
[DIRTYBALLASTWATER] [bit] NULL,
[DIRTYBALLASTWATERMAXQTY] [int] NULL,
[DIRTYBALLASTWATERTOTAL] [int] NULL,
[DIRTYBALLASTWATERNOTE] [nvarchar](50) NULL,

```

```
[SCALESUDGETANKCLEANING] [bit] NULL,
[SCALESUDGETANKCLEANINGMAXQTY] [int] NULL,
[SCALESUDGETANKCLEANINGTOTAL] [int] NULL,
[SCALESUDGETANKCLEANINGNOTE] [nvarchar](50) NULL,
[OILYMIXTURE] [bit] NULL,
[OILYMIXTUREMAXQTY] [int] NULL,
[OILYMIXTURETOTAL] [int] NULL,
[OILYMIXTURENOTE] [nvarchar](50) NULL,
[CHEMICALNLS] [bit] NULL,
[CHEMICALNLSMAXQTY] [int] NULL,
[CHEMICALNLSOTAL] [int] NULL,
[CHEMICALNLSNOTE] [nvarchar](50) NULL,
[SEWAGE] [bit] NULL,
[SEWAGEMAXQTY] [int] NULL,
[SEWAGETOTAL] [int] NULL,
[SEWAGENOTE] [nvarchar](50) NULL,
[GARBAGE] [bit] NULL,
[GARBAGEMAXQTY] [int] NULL,
[GARBAGETOTAL] [int] NULL,
[GARBAGENOTE] [nvarchar](50) NULL,
[OZONEDEPELETING] [bit] NULL,
[OZONEDEPELETINGMAXQTY] [int] NULL,
[OZONEDEPELETINGTOTAL] [int] NULL,
[OZONEDEPELETINGNOTE] [nvarchar](50) NULL,
[EXHAUSTGASCLEANING] [bit] NULL,
[EXHAUSTGASCLEANINGMAXQTY] [int] NULL,
[EXHAUSTGASCLEANINGTOTAL] [int] NULL,
[EXHAUSTGASCLEANINGNOTE] [nvarchar](50) NULL,
[PORT_NAME] [nvarchar](40) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.46 [MARINFO4].[LOT1B_PORT_TANKER_BERTH]

```
[BERTH_ID] [int] NOT NULL,
[PORT_ID] [int] NOT NULL,
[TERMINAL_ID] [int] NULL,
[BERTH_NAME] [nvarchar](200) NULL,
[BERTH_OPERATOR] [nvarchar](100) NULL,
[BERTH_TYPE] [nvarchar](20) NULL,
[BERTH_STATUS] [nvarchar](20) NOT NULL,
[FACILITY_TYPE] [nvarchar](10) NULL,
[LATITUDEDECIMAL] [decimal](18, 9) NULL,
[LONGITUDEDECIMAL] [decimal](18, 9) NULL,
[BERTH_LENGTH_FLAT_SIDE] [int] NULL,
[BERTH_LENGTH_INCL_DOLPHINS] [int] NULL,
```

```
[BERTH_LENGTH_CONTINUOUS] [int] NULL,  
[DEPTH_ALONGSIDE_LW] [decimal](10, 2) NULL,  
[DRAUGHT_HW_MAX] [decimal](10, 2) NULL,  
[DRAUGHT_LW_MAX] [decimal](10, 2) NULL,  
[BERTH_UKC_MIN] [decimal](10, 2) NULL,  
[TIDAL_RANGE_SPRING] [decimal](10, 2) NULL,  
[TIDAL_RANGE_NEAP] [decimal](10, 2) NULL,  
[NIGHT_BERTHING] [nvarchar](50) NULL,  
[NIGHT_BERTHING_NOTE] [nvarchar](200) NULL,  
[NIGHT_UNBERTHING] [nvarchar](50) NULL,  
[SHIP_LOA_MAX] [decimal](10, 2) NULL,  
[SHIP_LOA_MIN] [decimal](10, 2) NULL,  
[SHIP_LOA_NOTE] [nvarchar](100) NULL,  
[SHIP_DWT_MAX] [int] NULL,  
[SHIP_DWT_MIN] [int] NULL,  
[SHIP_DWT_NOTE] [nvarchar](100) NULL,  
[SHIP_DISP_MAX] [int] NULL,  
[SHIP_DISP_MIN] [int] NULL,  
[SHIP_DISP_NOTE] [nvarchar](100) NULL,  
[GAS_CAPACITY_MIN] [int] NULL,  
[GAS_CAPACITY_MAX] [int] NULL,  
[GAS_CAPACITY_NOTE] [nvarchar](100) NULL,  
[SHIP_BEAM_MAX] [decimal](10, 2) NULL,  
[SHIP_BEAM_NOTE] [nvarchar](100) NULL,  
[BERTH_DISP_MAX] [int] NULL,  
[GT_MAX] [int] NULL,  
[TEU] [int] NULL,  
[TOTAL_PBL_MIN] [decimal](10, 2) NULL,  
[MANIFOLD_BCM_MAX] [decimal](10, 2) NULL,  
[MANIFOLD_BCM_MIN] [decimal](10, 2) NULL,  
[MANIFOLD_SCM_MAX] [decimal](10, 2) NULL,  
[MANIFOLD_SCM_MIN] [decimal](10, 2) NULL,  
[MANIFOLD_HEIGHT_MAX] [decimal](10, 2) NULL,  
[MANIFOLD_HEIGHT_MIN] [decimal](10, 2) NULL,  
[DERRICK_SWL_MIN] [int] NULL,  
[WL_MASTHEAD_HEIGHT_MAX] [decimal](10, 2) NULL,  
[MANIFOLD_PBL_MIN_FWD] [decimal](10, 2) NULL,  
[MANIFOLD_PBL_MIN_AFT] [decimal](10, 2) NULL,  
[MANIFOLD_USED] [nvarchar](50) NULL,  
[RO_RO] [nvarchar](50) NULL,  
[PASSENGER] [nvarchar](50) NULL,  
[BREAKBULK] [bit] NULL,  
[NAVAL] [bit] NULL,  
[TIMBER_PRODUCTS] [bit] NULL,  
[FISHING] [bit] NULL,  
[CONTAINER] [bit] NULL,  
[TRANSHIPMENT] [bit] NULL,  
[OFFSHORE] [bit] NULL,
```



```
[PROJECT_HEAVY] [bit] NULL,
[STEEL_PRODUCTS] [bit] NULL,
[ALL_WEATHER_BERTH] [bit] NULL,
[COLD_IRONING] [bit] NULL,
[SIDE_ALONGSIDE] [nvarchar](50) NULL,
[BUNKERS_HFO] [nvarchar](50) NULL,
[DELIVERY_HFO] [nvarchar](50) NULL,
[GANGWAY_USED] [nvarchar](50) NULL,
[BUNKERS_DO_GO] [nvarchar](50) NULL,
[DELIVERY_DO_GO] [nvarchar](50) NULL,
[MOORINGS_FWD] [nvarchar](200) NULL,
[MOORINGS_AFT] [nvarchar](200) NULL,
[BUNKERS_LNG] [nvarchar](50) NULL,
[DELIVERY_LNG] [nvarchar](50) NULL,
[FRESH_WATER] [nvarchar](50) NULL,
[DELIVERY_FW] [nvarchar](50) NULL,
[COW] [nvarchar](5) NULL,
[BERTH_ADDITIONAL_INFO] [nvarchar](255) NULL,
[REEFER] [bit] NULL,
[LIVESTOCK] [bit] NULL,
[WATERLINE_HEIGHT_HW_MAX_DECIMAL] [decimal](10, 2) NULL,
[DRY_BULK_CARGO] [nvarchar](4000) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.47 [MARINFO4].[LOT1B_PORT_TANKER_TERMINAL]

```
[TERMINAL_ID] [int] NOT NULL,
[PORT_ID] [int] NOT NULL,
[TERMINAL_NAME] [nvarchar](100) NULL,
[TERMINAL_OPERATOR] [nvarchar](100) NULL,
[FACILITY_TYPE] [nvarchar](10) NULL,
[LATITUDEDECIMAL] [decimal](18, 9) NULL,
[LONGITUDEDECIMAL] [decimal](18, 9) NULL,
[TERMINAL_STATUS] [nvarchar](20) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.48 [MARINFO4].[LOT1B_PORTS]

```
[PORTID] [int] NOT NULL,
[OLDID] [nvarchar](6) NULL,
[PORTNAME] [nvarchar](40) NOT NULL,
[FULLPORTSTYLE] [nvarchar](40) NULL,
```

```

[STATUS] [nvarchar](10) NOT NULL,
[MASTERPOID] [nvarchar](6) NULL,
[LATITUDEDECIMAL] [decimal](18, 9) NOT NULL,
[LONGITUDEDECIMAL] [decimal](18, 9) NOT NULL,
[UNLOCODE] [nvarchar](6) NULL,
[COUNTRYNAME] [nvarchar](255) NOT NULL,
[COUNTRYCODE] [nvarchar](3) NOT NULL,
[COUNTRYCODEIMO] [nvarchar](3) NOT NULL,
[COUNTRYCODEISO2] [nvarchar](2) NOT NULL,
[COUNTRYCODEISO3] [nvarchar](3) NOT NULL,
[COUNTRYCODEISONO] [nvarchar](3) NOT NULL,
[CONTINENTNAME] [nvarchar](100) NOT NULL,
[REGIONNAME] [nvarchar](100) NOT NULL,
[TIMEZONE] [nvarchar](10) NULL,
[DAYLIGHTSAVINGTIME] [bit] NULL,
[MAXIMUMDRAFT] [float] NULL,
[MAXDWT] [int] NULL,
[MAXLOA] [float] NULL,
[MAXBEAM] [float] NULL,
[MAXOFFSHOREDRAUGHT] [float] NULL,
[MAXOFFSHOREDWT] [float] NULL,
[MAXOFFSHORELOA] [float] NULL,
[DRYBULKFACILITIES] [bit] NULL,
[BREAKBULKFACILITIES] [bit] NULL,
[CONTAINERFACILITIES] [bit] NULL,
[ROROFACILITIES] [bit] NULL,
[PASSENGERFACILITIES] [bit] NULL,
[LIQUIDFACILITIES] [bit] NULL,
[LNGFACILITIES] [int] NULL,
[LPGFACILITIES] [int] NULL,
[DRYDOCKFACILITIES] [bit] NULL,
[FREETRADEZONE] [bit] NULL,
[ISPSCOMPLIANT] [bit] NULL,
[CSICOMPLIANT] [bit] NULL,
[ECOPORT] [bit] NULL,
[EMISSIONCONTROLAREA] [bit] NULL,
[WSPORT] [int] NULL,
[LASTUPDATEDATE] [datetime] NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,

```

1.49 [MARINFO4].[LOT1B_ZONES]

```

[PORTGEOID] [int] NOT NULL,
[ZONENAME] [nvarchar](100) NOT NULL,
[PORTNAME] [nvarchar](40) NOT NULL,

```

```
[COUNTRY] [nvarchar](3) NOT NULL,
[COUNTRYNAME] [nvarchar](40) NOT NULL,
[LATITUDE] [decimal](20, 1) NOT NULL,
[LONGITUDE] [decimal](20, 1) NOT NULL,
[OLD_ID] [nvarchar](50) NOT NULL,
[PORT_ID] [int] NOT NULL,
[TYPE] [nvarchar](10) NULL,
[STATUS] [nvarchar](10) NOT NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.50 [MARINFO4].[LOT2A_ADDITIONAL_SHIPSDATA]

```
[IMO] [nvarchar](7) NOT NULL,
[SATCOMID] [nvarchar](10) NULL,
[SATCOMANSBACK] [nvarchar](6) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.51 [MARINFO4].[LOT2A_BUILDER_DETAILS]

```
[BUILDERCODE] [nvarchar](9) NOT NULL,
[SHIPBUILDERFULLSTYLE] [nvarchar](280) NULL,
[SHIPBUILDER] [nvarchar](50) NOT NULL,
[FULLADDRESS] [nvarchar](221) NULL,
[COUNTRYNAME] [nvarchar](50) NULL,
[CONTACT] [nvarchar](200) NULL,
[EMAILADDRESS] [nvarchar](200) NULL,
[FACSIMILE] [nvarchar](200) NULL,
[TELEPHONE] [nvarchar](200) NULL,
[TELEX] [nvarchar](200) NULL,
[WEBSITE] [nvarchar](200) NULL,
[COUNTRYCODE] [nvarchar](3) NULL,
[TOWNCODE] [nvarchar](4) NULL,
[BUILDERSTATUS] [nvarchar](16) NULL,
[TOWN] [nvarchar](39) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.52 [MARINFO4].[LOT2A_CAPACITIES]

```
[IMO] [nvarchar](7) NOT NULL,
```

```
[BALE] [int] NULL,
[NUMBEROFBARGES] [int] NULL,
[BOLLARDPULL] [int] NULL,
[NUMBEROFCARS] [int] NULL,
[GASCAPACITY] [int] NULL,
[GRAINCAPACITY] [int] NULL,
[LIQUIDCAPACITY] [int] NULL,
[NBPASSENGERS] [int] NULL,
[NBREFRIGERATEDCONTAINERS] [int] NULL,
[NBTEU] [int] NULL,
[NBTRUCKS] [int] NULL,
[NBVEHICLES] [int] NULL,
[NBRAILWAGONS] [int] NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.53 [MARINFO4].[LOT2A_CODE_CLASS]

```
[CLASS_CODE] [nvarchar](20) NOT NULL,
[CLASSNAME] [nvarchar](30) NOT NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.54 [MARINFO4].[LOT2A_CODE_FLAG]

```
[COUNTRYCODE] [nvarchar](3) NOT NULL,
[COUNTRYNAME] [nvarchar](50) NOT NULL,
[ISO2] [nvarchar](2) NULL,
[ISO3] [nvarchar](3) NULL,
[FROMDATE] [nvarchar](6) NULL,
[TODATE] [nvarchar](6) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.55 [MARINFO4].[LOT2A_CODE_HULL]

```
[HULLTYPECODE] [nvarchar](6) NOT NULL,
[HULLTYPENAME] [nvarchar](50) NOT NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
```

```
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.56 [MARINFO4].[LOT2A_CODE_HULL_MATERIAL]

```
[HULLMATERIALCODE] [nvarchar](20) NOT NULL,
[HULLMATERIALNAME] [nvarchar](60) NOT NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.57 [MARINFO4].[LOT2A_CODE_PANDI]

```
[PICLUBCODE] [nvarchar](20) NOT NULL,
[PICLUBNAME] [nvarchar](100) NOT NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.58 [MARINFO4].[LOT2A_CODE_SHIPTYPE]

```
[SHIP_TYPE_CODE_LV5] [nvarchar](255) NOT NULL,
[SHIP_TYPE_NAME_LV5] [nvarchar](255) NOT NULL,
[SHIP_TYPE_CODE_LV4] [nvarchar](4) NOT NULL,
[SHIP_TYPE_NAME_LV4] [nvarchar](255) NOT NULL,
[SHIP_TYPE_CODE_LV3] [nvarchar](3) NOT NULL,
[SHIP_TYPE_NAME_LV3] [nvarchar](30) NOT NULL,
[SHIP_TYPE_CODE_LV2] [nvarchar](2) NOT NULL,
[SHIP_TYPE_NAME_LV2] [nvarchar](255) NOT NULL,
[LEVEL1CODE] [nvarchar](1) NOT NULL,
[SHIP_TYPE_NAME_LV1] [nvarchar](27) NOT NULL,
[HULLTYPE] [nvarchar](50) NULL,
[SUBGROUP] [nvarchar](50) NULL,
[SUBTYPE] [nvarchar](80) NULL,
[DESCRIPTION] [nvarchar](255) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.59 [MARINFO4].[LOT2A_CODE_STATUS]

```
[STATUS_CODE] [nvarchar](1) NOT NULL,
[STATUSNAME] [nvarchar](50) NOT NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
```

[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,

1.60 [MARINFO4].[LOT2A_COMPANY]

[OWCODE] [nvarchar](7) NOT NULL,
 [SHORTCOMPANYNAME] [nvarchar](60) NOT NULL,
 [COUNTRYNAME] [nvarchar](50) NULL,
 [TOWNNAME] [nvarchar](39) NULL,
 [TELEPHONE] [nvarchar](60) NULL,
 [EMAILADDRESS] [nvarchar](120) NULL,
 [WEBSITE] [nvarchar](120) NULL,
 [POBOX] [nvarchar](50) NULL,
 [STREETNUMBER] [nvarchar](36) NULL,
 [STREET] [nvarchar](92) NULL,
 [NATIONALITYOFREGISTRATION] [nvarchar](40) NULL,
 [NATIONALITYOFCONTROL] [nvarchar](40) NULL,
 [PARENTCOMPANY] [nvarchar](7) NULL,
 [COMPANYSTATUS] [nvarchar](8) NULL,
 [FOUNDEDDATE] [nvarchar](4) NULL,
 [LOAD_ID] [int] NULL,
 [ETL_ID] [int] IDENTITY(1,1) NOT NULL,
 [ETL_VERSION] [int] NULL,
 [ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
 [ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,

1.61 [MARINFO4].[LOT2A_COMPANY_ALL]

[OWCODE] [nvarchar](7) NOT NULL,
 [SHORTCOMPANYNAME] [nvarchar](60) NOT NULL,
 [COUNTRYNAME] [nvarchar](50) NULL,
 [TELEPHONE] [nvarchar](60) NULL,
 [EMAILADDRESS] [nvarchar](120) NULL,
 [WEBSITE] [nvarchar](120) NULL,
 [FULLNAME] [nvarchar](280) NULL,
 [FULLADDRESS] [nvarchar](512) NULL,
 [NATIONALITYOFREGISTRATION] [nvarchar](40) NULL,
 [NATIONALITYOFCONTROL] [nvarchar](40) NULL,
 [COMPANYSTATUS] [nvarchar](8) NULL,
 [LOAD_ID] [int] NULL,
 [ETL_ID] [int] IDENTITY(1,1) NOT NULL,
 [ETL_VERSION] [int] NULL,
 [ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
 [ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,

1.62 [MARINFO4].[LOT2A_COMPANY_TO_SHIP]

[IMO] [nvarchar](7) NOT NULL,
 [REGISTEREDOWNERCODE] [nvarchar](7) NULL,
 [REGISTEREDOWNER] [nvarchar](50) NULL,
 [SHIPMANAGERCODE] [nvarchar](7) NULL,
 [SHIPMANAGER] [nvarchar](50) NULL,

```
[OPERATORCODE] [nvarchar](7) NULL,
[OPERATOR] [nvarchar](50) NULL,
[GROUPBENEFICIALOWNERCODE] [nvarchar](7) NULL,
[GROUPBENEFICIALOWNER] [nvarchar](50) NULL,
[DOCCODE] [nvarchar](7) NULL,
[DOCCOMPANY] [nvarchar](50) NULL,
[TECHNICALMANAGERCODE] [nvarchar](7) NULL,
[TECHNICALMANAGER] [nvarchar](50) NULL,
[OPERATORGROUPCODE] [nvarchar](7) NULL,
[OPERATORGROUP] [nvarchar](30) NULL,
[SHIPMANAGERGROUP] [nvarchar](30) NULL,
[DOCGROUPCODE] [nvarchar](7) NULL,
[DOCGROUP] [nvarchar](30) NULL,
[TECHNICALMANAGERGROUPCODE] [nvarchar](7) NULL,
[TECHNICALMANAGERGROUP] [nvarchar](30) NULL,
[SHIPMANAGERGROUPCODE] [nvarchar](7) NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.63 [MARINFO4].[LOT2A_CREW_LIST]

```
[ID] [int] NOT NULL,
[IMO] [nvarchar](7) NOT NULL,
[SHIPNAME] [nvarchar](200) NULL,
[CREWLISTDATE] [datetime] NOT NULL,
[NATIONALITY] [nvarchar](200) NULL,
[TOTALCREW] [int] NULL,
[TOTALRATINGS] [int] NULL,
[TOTALOFFICERS] [int] NULL,
[LOAD_ID] [int] NULL,
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,
[ETL_VERSION] [int] NULL,
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

1.64 [MARINFO4].[LOT2A_FLEET_COUNTS]

```
[COMPANY_CODE] [nvarchar](7) NOT NULL,
[COMPANY_SHORT_NAME] [nvarchar](30) NOT NULL,
[REG_OWNER_COUNT] [int] NOT NULL,
[SHIP_MANAGER_COUNT] [int] NOT NULL,
[OPERATOR_COUNT] [int] NOT NULL,
[GROUP_OWNER_COUNT] [int] NOT NULL,
[DOC_COUNT] [int] NOT NULL,
[FLEETSIZE] [int] NOT NULL,
[INSERVICECOUNT] [int] NOT NULL,
[TECH_MANAGER_COUNT] [int] NOT NULL,
```



```
[LOAD_ID] [int] NULL,  
[ETL_ID] [int] IDENTITY(1,1) NOT NULL,  
[ETL_VERSION] [int] NULL,  
[ETL_DEBUT] [datetime2](7) GENERATED ALWAYS AS ROW START NOT NULL,  
[ETL_FIN] [datetime2](7) GENERATED ALWAYS AS ROW END NOT NULL,
```

2. MARINFO3

2.1 [MARINFO3].[ACH_DEFECT_CAT_DATA_TABLE]

[MAIN_DEFECT_TEXT] [nvarchar](max) NULL,
[DEFECT_CAT] [nvarchar](max) NULL

2.2 [MARINFO3].[ACH_DEFECT_CAT_PB_DATA_TABLE]

[MAIN_DEFECT_TEXT] [nvarchar](max) NULL,
[DEFECT_CAT] [nvarchar](max) NULL

2.3 [MARINFO3].[CCA_EU_CTRY_LIST]

[COUNTRY] [nvarchar](max) NULL,
[EU_INDICATOR] [nvarchar](max) NULL,
[COUNTRY_NAME] [nvarchar](max) NULL

2.4 [MARINFO3].[CCA_EU_RO_LIST_DATA_TABLE]

[CLASS] [nvarchar](max) NULL,
[TYPE] [nvarchar](max) NULL

2.5 [MARINFO3].[CCA_FLAG_EU_INDICATOR_DATA_TABLE]

[FLAGCODE] [nvarchar](max) NULL,
[FLAG] [nvarchar](max) NULL,
[FLAG_NAME] [nvarchar](max) NULL,
[EU_INDICATOR] [nvarchar](max) NULL

2.6 [MARINFO3].[CCA_IMO_SHIPTYPES_MRV_DATA_TABLE]

[SHIP_TYPE_CODE_LV5] [nvarchar](max) NULL,
[SHIP_TYPE_NAME_LV5] [nvarchar](max) NULL,
[IMO_SHIP_TYPE] [nvarchar](max) NULL

2.7 [MARINFO3].[CCA_PSC_SHIP_TYPE_IHS_DATA_TABLE]

[STATCODE5] [nvarchar](max) NULL,
[SHIPTYPELEVEL5] [nvarchar](max) NULL,
[PSC_TYPE_NAME] [nvarchar](max) NULL

2.8 [MARINFO3].[CCA_SHIP_UNIV_2015_F_DATA_TABLE]

[IMO] [nvarchar](max) NULL,
[SHIPNAME] [nvarchar](max) NULL,
[CALLSIGN] [nvarchar](max) NULL,
[MMSI] [nvarchar](max) NULL,
[GT] [nvarchar](max) NULL,
[DWT] [nvarchar](max) NULL,
[BUILD_YEAR] [nvarchar](max) NULL,
[CURRENT_FLAG_IHS] [nvarchar](max) NULL,
[CURRENT_STATUS] [nvarchar](max) NULL,
[PSC_TYPE_NAME] [nvarchar](max) NULL,
[YEAR] [nvarchar](max) NULL,
[YEAR_FULL] [nvarchar](max) NULL,

```
[FLAG_NAME] [nvarchar](max) NULL,
[FLAG_EU_IND] [nvarchar](max) NULL,
[OWNER_COMPANY] [nvarchar](max) NULL,
[OWNER_NATIONALITY] [nvarchar](max) NULL,
[OWNER_EU_IND] [nvarchar](max) NULL,
[BENEFOWNER_COMPANY] [nvarchar](max) NULL,
[BENEFOWNER_NATIONALITY] [nvarchar](max) NULL,
[BENEFOWNER_EU_IND] [nvarchar](max) NULL,
[ISM_COMPANY] [nvarchar](max) NULL,
[ISM_NATIONALITY] [nvarchar](max) NULL,
[ISM_EU_IND] [nvarchar](max) NULL
```

2.9 [MARINFO3].[CCA_SHIP_UNIV_2016_F_DATA_TABLE]

```
[IMO] [nvarchar](max) NULL,
[MMSI] [nvarchar](max) NULL,
[CALLSIGN] [nvarchar](max) NULL,
[DEADWEIGHT] [nvarchar](max) NULL,
[KEELLAIDDATE] [nvarchar](max) NULL,
[DATEOFBUILD] [nvarchar](max) NULL,
[YEAROFBUILD] [nvarchar](max) NULL,
[SHIPSTATUSCODE] [nvarchar](max) NULL,
[PSC_TYPE_NAME] [nvarchar](max) NULL,
[YEAR] [nvarchar](max) NULL,
[YEAR_FULL] [nvarchar](max) NULL,
[SHIP_NAME] [nvarchar](max) NULL,
[FLAG_NAME] [nvarchar](max) NULL,
[FLAG_EU_IND] [nvarchar](max) NULL,
[OWNER_COMPANY] [nvarchar](max) NULL,
[OWNER_NATIONALITY] [nvarchar](max) NULL,
[OWNER_EU_IND] [nvarchar](max) NULL,
[BENEFOWNER_COMPANY] [nvarchar](max) NULL,
[BENEFOWNER_NATIONALITY] [nvarchar](max) NULL,
[BENEFOWNER_EU_IND] [nvarchar](max) NULL,
[ISM_COMPANY] [nvarchar](max) NULL,
[ISM_NATIONALITY] [nvarchar](max) NULL,
[ISM_EU_IND] [nvarchar](max) NULL,
[SHIP_TYPE_CODE_LV5] [nvarchar](max) NULL,
[SHIP_TYPE_NAME_LV5] [nvarchar](max) NULL,
[IMO_SHIP_TYPE] [nvarchar](max) NULL,
[IMO_SHIP_TYPE_MOVE] [nvarchar](max) NULL
```

2.10 [MARINFO3].[CCA_SHIP_UNIV_2017_F_DATA_TABLE]

```
[IMO] [nvarchar](max) NULL,
[YEAR] [nvarchar](max) NULL,
[GT] [nvarchar](max) NULL,
[DWT] [nvarchar](max) NULL,
[DATEOFBUILD] [nvarchar](max) NULL,
[AGE] [nvarchar](max) NULL,
```

```
[REGOWN_COUNTRY] [nvarchar](max) NULL,
[REGOWN_EU_IND] [nvarchar](max) NULL,
[FLAG_NAME] [nvarchar](max) NULL,
[FLAG_EU_IND] [nvarchar](max) NULL,
[PSC_TYPE_NAME] [nvarchar](max) NULL,
[AGE_RANGE] [nvarchar](max) NULL,
[SHIP_TYPE_CODE_LV5] [nvarchar](max) NULL,
[SHIP_TYPE_NAME_LV5] [nvarchar](max) NULL,
[IMO_SHIP_TYPE] [nvarchar](max) NULL,
[IMO_SHIP_TYPE_MOVE] [nvarchar](max) NULL
```

2.11 [MARINFO3].[CCA_SHIP_UNIV_2018_F_DATA_TABLE]

```
[IMO] [nvarchar](max) NULL,
[YEAR] [nvarchar](max) NULL,
[GT] [nvarchar](max) NULL,
[DWT] [nvarchar](max) NULL,
[DATEOFBUILD] [nvarchar](max) NULL,
[AGE] [nvarchar](max) NULL,
[REGOWN_COUNTRY] [nvarchar](max) NULL,
[REGOWN_EU_IND] [nvarchar](max) NULL,
[FLAG_NAME] [nvarchar](max) NULL,
[FLAG_EU_IND] [nvarchar](max) NULL,
[PSC_TYPE_NAME] [nvarchar](max) NULL,
[AGE_RANGE] [nvarchar](max) NULL,
[SHIP_TYPE_CODE_LV5] [nvarchar](max) NULL,
[SHIP_TYPE_NAME_LV5] [nvarchar](max) NULL,
[IMO_SHIP_TYPE] [nvarchar](max) NULL,
[IMO_SHIP_TYPE_MOVE] [nvarchar](max) NULL
```

2.12 [MARINFO3].[CCA_SHIP_UNIV_2019_F_DATA_TABLE]

```
[IMO] [nvarchar](max) NULL,
[YEAR] [nvarchar](max) NULL,
[GT] [nvarchar](max) NULL,
[DWT] [nvarchar](max) NULL,
[DATEOFBUILD] [nvarchar](max) NULL,
[AGE] [nvarchar](max) NULL,
[REGOWN_COUNTRY] [nvarchar](max) NULL,
[REGOWN_EU_IND] [nvarchar](max) NULL,
[FLAG_NAME] [nvarchar](max) NULL,
[FLAG_EU_IND] [nvarchar](max) NULL,
[PSC_TYPE_NAME] [nvarchar](max) NULL,
[AGE_RANGE] [nvarchar](max) NULL,
[SHIP_TYPE_CODE_LV5] [nvarchar](max) NULL,
[SHIP_TYPE_NAME_LV5] [nvarchar](max) NULL,
[IMO_SHIP_TYPE] [nvarchar](max) NULL,
[IMO_SHIP_TYPE_MOVE] [nvarchar](max) NULL
```

2.13 [MARINFO3].[CCA_SHIP_UNIV_2020_F_DATA_TABLE]

```
[IMO] [nvarchar](max) NULL,
[YEAR] [nvarchar](max) NULL,
[GT] [nvarchar](max) NULL,
[DWT] [nvarchar](max) NULL,
[DATEOFBUILD] [nvarchar](max) NULL,
[AGE] [nvarchar](max) NULL,
[REGOWN_COUNTRY] [nvarchar](max) NULL,
[REGOWN_EU_IND] [nvarchar](max) NULL,
[FLAG_NAME] [nvarchar](max) NULL,
[FLAG_EU_IND] [nvarchar](max) NULL,
[PSC_TYPE_NAME] [nvarchar](max) NULL,
[AGE_RANGE] [nvarchar](max) NULL,
[SHIP_TYPE_CODE_LV5] [nvarchar](max) NULL,
[SHIP_TYPE_NAME_LV5] [nvarchar](max) NULL,
[IMO_SHIP_TYPE] [nvarchar](max) NULL,
[IMO_SHIP_TYPE_MOVE] [nvarchar](max) NULL
```

2.14 [MARINFO3].[CCA_SHIP_UNIV_2021_F_DATA_TABLE]

```
[IMO] [nvarchar](max) NULL,
[YEAR] [nvarchar](max) NULL,
[GT] [nvarchar](max) NULL,
[DWT] [nvarchar](max) NULL,
[DATEOFBUILD] [nvarchar](max) NULL,
[AGE] [nvarchar](max) NULL,
[REGOWN_COUNTRY] [nvarchar](max) NULL,
[REGOWN_EU_IND] [nvarchar](max) NULL,
[FLAG_NAME] [nvarchar](max) NULL,
[FLAG_EU_IND] [nvarchar](max) NULL,
[SHIP_TYPE_NAME_LV5] [nvarchar](max) NULL,
[SHIP_TYPE_CODE_LV5] [nvarchar](max) NULL,
[IMO_SHIP_TYPE] [nvarchar](max) NULL
```

2.15 [MARINFO3].[CCA_SHIP_UNIV_F_DATA_TABLE]

```
[IMO] [nvarchar](max) NULL,
[YEAR] [nvarchar](max) NULL,
[YEAR_FULL] [nvarchar](max) NULL,
[SHIP_NAME] [nvarchar](max) NULL,
[SHIP_TYPE_CODE_LV5] [nvarchar](max) NULL,
[SHIP_TYPE_NAME_LV5] [nvarchar](max) NULL,
[IMO_SHIP_TYPE] [nvarchar](max) NULL,
[GT] [nvarchar](max) NULL,
[DWT] [nvarchar](max) NULL,
[KEELLAIDDATE] [nvarchar](max) NULL,
[DATEOFBUILD] [nvarchar](max) NULL,
[YEAROFBUILD] [nvarchar](max) NULL,
[FLAG_CODE] [nvarchar](max) NULL,
[FLAG] [nvarchar](max) NULL,
```

```
[FLAG_NAME] [nvarchar](max) NULL,  
[FLAG_EU_IND] [nvarchar](max) NULL,  
[OWNER_CODE] [nvarchar](max) NULL,  
[OWNER_NAME] [nvarchar](max) NULL,  
[OWNER_COUNTRY] [nvarchar](max) NULL,  
[OWNER_COUNTRY_NAME] [nvarchar](max) NULL,  
[OWNER_EU_IND] [nvarchar](max) NULL,  
[FISHING_VESSEL_IND] [nvarchar](max) NULL
```

3. MAR_ANALYSIS

The main goal of MAR_ANALYSIS schema in the MARINFO database is to provide tables and views that calculate basic properties that aid in different MARINFO processes. These views and tables are directly used in the DONA tables etc. These tables need to be manually updated

3.1 MAR_ANALYSIS.EUMS

A table that harmonises country and flag names, with added information about EU and EEA indicators

```
[COUNTRY] [nvarchar](max) NULL,
[EU_INDICATOR] [nvarchar](max) NULL,
[COUNTRY_NAME] [nvarchar](max) NULL,
[EEA] [varchar](20) NULL
```

3.2 MAR_ANALYSIS.SHIPCATEGORY

A table that harmonises shiptypes by code, shiptypelevel5 and a more general definition of each shiptype.

```
[SHIPTYPECODE] [nvarchar](100) NULL,
[ShipTypeLV5] [nvarchar](1000) NULL,
[ShipType] [nvarchar](1000) NULL
```

3.3 [MAR_ANALYSIS].[V_ACTIVEFLEETUNIVERSE]

Base Table: LOT2A_SHIP

A view that calculates an 'active fleet universe' for the past 5 years. These ships are ships with status ('S' or 'L') that originate from the LOT2A_SHIP table, enriched with data about their GT, Country, shiptype, class and many more. This view is mainly used for DONA indicators.

```
[IMO] [nvarchar](7) NOT NULL,
[SHIPNAME] [nvarchar](50) NOT NULL,
[FLAGNAME] [nvarchar](50) NULL,
[COUNTRY_NAME] [nvarchar](max) NULL,
[EU_INDICATOR] [nvarchar](max) NULL,
[ShipTypeCode] [nvarchar](100) NULL,
[ShipTypeName] [nvarchar](55) NOT NULL,
[ShipType] [nvarchar](1000) NULL,
[GT] [int] NULL,
[GTRange] [varchar](7) NOT NULL,
[DWT] [int] NULL,
[CLASS SOCIETY CODE] [nvarchar](15) NULL,
[CLASSIFICATION SOCIETY] [nvarchar](254) NULL,
[DATE OF BUILD] [nvarchar](6) NOT NULL,
[SEQUENCE] [nvarchar](2) NULL,
[START DATE] [date] NULL,
[END DATE] [date] NULL,
[STATUS CODE] [nvarchar](1) NULL,
[REG OWNER NAME] [nvarchar](50) NULL,
[GROUP BENEF NAME] [nvarchar](50) NULL,
[OPERATOR NAME] [nvarchar](50) NULL,
[DOCCOMPANY NAME] [nvarchar](50) NULL
```


3.4 [MAR_ANALYSIS].[V_FLAGSTARTEND]

Base Table: LOT2A_HISTORY_FLAG

A view that calculates start and end dates for a certain flag that a ship carries. These make use of harmonized flag names and use sequence as order logic.

```
[IMO] [nvarchar](7) NOT NULL,
[Sequence] [nvarchar](2) NOT NULL,
[PreviousFlag] [nvarchar](max) NULL,
[CurrentFlag] [nvarchar](max) NULL,
[NextFlag] [nvarchar](max) NULL,
[StartDate] [nvarchar](6) NOT NULL,
[EndDate] [nvarchar](6) NULL,
[FLAG_EU_IND] [nvarchar](max) NULL
```

3.5 [MAR_ANALYSIS].[V_FLAGSTARTEND2]

Base Table: LOT2A_HISTORY_FLAG

Similar as [MAR_ANALYSIS].[V_FLAGSTARTEND], this query calculates the start and end dates for the flag a ship carries, with extra rational for 'double flags'. Some ships hold 2 flags at a given moment, this view will take handle the combination of the double flags as if it was a single flag. This is done by aggregating flags that have the same startdate for a certain ship.

```
[IMO] [nvarchar](7) NOT NULL,
[PreviousFlag] [nvarchar](max) NULL,
[PreviousEU] [varchar](6) NULL,
[CurrentFlag] [nvarchar](max) NULL,
[EU_INDICATOR] [varchar](6) NOT NULL,
[NextFlag] [nvarchar](max) NULL,
[NextEU] [varchar](6) NULL,
[StartDate] [nvarchar](6) NOT NULL,
[EndDate] [nvarchar](6) NULL
```

3.6 [MAR_ANALYSIS].[V_International]

Base Table: MARINFO4.LOT1A_MOVEMENTS

This view calculates whether a ship is a 'Domestic' or a 'national' ship for a certain year. This is done by counting the amount of different countries a ship called to for a certain year in the movements table, being an international ship when this exceeds one country. This is done for the last 5 years and uses harmonized country names.

```
[IMO] [nvarchar](7) NOT NULL,
[YEAR] [int] NULL,
[Trade] [varchar](13) NOT NULL
```

3.7 [MAR_ANALYSIS].[V_STATUSSTARTEND]

Base Table: LOT2A_HISTORY_STATUS

A view that calculates the start and end date of the status a ship carries. A first layer will clean up the date data in the HISTORY STATUS table, a second layer will look for the end date of each given status for a ship. When the data cleanup interferes with finding the end date (for example we assumed 20150000 to be 20150101 but the next status has date 20150202), then a logic will be applied where the incomplete date will be one day ahead of the previous status. (Based on sequence)

```
[IMO] [nvarchar](7) NOT NULL,
[StatusCode] [nvarchar](1) NOT NULL,
[Sequence] [nvarchar](2) NOT NULL,
[PREVIOUSSTARTDATE] [date] NULL,
```

```
[startdate] [date] NULL,  
[ENDDATE] [date] NULL
```

4. MAR_DONA

The MAR_DONA tables and views are a set of indicators that represent aggregations or filters on the ship data for the last years. Each indicator shows a different view of the ships as defined by the statement of work. The views calculate the necessary data, the tables are materialized tables based on these views and get updated weekly.

4.1 [MAR_DONA].[V_ACTIVEFLEETUNIVERSE]

Base Table: LOT2A_SHIP

This view is identical to the MAR_ANALYSIS version of the active fleet universe, with the only difference being that only ships with an active status are taken into consideration.

```
[IMO] [nvarchar](7) NOT NULL,
[SHIPNAME] [nvarchar](50) NOT NULL,
[FLAGNAME] [nvarchar](50) NULL,
[COUNTRY_NAME] [nvarchar](max) NULL,
[EU_INDICATOR] [nvarchar](max) NULL,
[ShipTypeCode] [nvarchar](100) NULL,
[ShipTypeName] [nvarchar](55) NOT NULL,
[ShipType] [nvarchar](1000) NULL,
[GT] [int] NULL,
[GTRange] [varchar](7) NOT NULL,
[DWT] [int] NULL,
[CLASS SOCIETY CODE] [nvarchar](15) NULL,
[CLASSIFICATION SOCIETY] [nvarchar](254) NULL,
[DATE OF BUILD] [nvarchar](6) NOT NULL,
[SEQUENCE] [nvarchar](2) NULL,
[START DATE] [date] NULL,
[END DATE] [date] NULL,
[STATUS CODE] [nvarchar](1) NULL,
[REG OWNER NAME] [nvarchar](50) NULL,
[GROUP BENEF NAME] [nvarchar](50) NULL,
[OPERATOR NAME] [nvarchar](50) NULL,
[DOCCOMPANY NAME] [nvarchar](50) NULL
```

4.2 [MAR_DONA].[V_G1]

Base Table: MAR_ANALYSIS.V_ACTIVEFLEETUNIVERSE

The G1 indicator returns a list of active ships with their trade status (international or domestic) for the last 5 years for each year. Additional fields are added to this indicator that show extra information about the ship. (DateOfBuild, YearsUnderFlag, Shiptype, etc). Each ship will appear 5 times in this indicator if they have been part of the active fleet universe for the past 5 years.

```
[IMO] [nvarchar](7) NOT NULL,
[ShipName] [nvarchar](50) NOT NULL,
[ShipTypeCode] [nvarchar](100) NULL,
[ShipTypeName] [nvarchar](55) NOT NULL,
[ShipType] [nvarchar](1000) NULL,
[FlagName] [nvarchar](max) NULL,
[DateOfBuild] [nvarchar](6) NOT NULL,
[Age] [int] NULL,
[AgeRange] [varchar](11) NOT NULL,
```

```
[Year] [int] NULL,
[Trade] [varchar](13) NOT NULL,
[GT] [int] NULL,
[GTRange] [varchar](7) NOT NULL,
[DWT] [int] NULL,
[FlagStartYear] [nvarchar](4) NULL,
[FlagEndYear] [nvarchar](4) NULL,
[YearsUnderFlag] [int] NULL
```

4.3 [MAR_DONA].[V_G2]

Base Table: MAR_ANALYSIS.V_FLAGSTARTEND2

This indicator returns the flag ins and flag outs of each ship in the database. These flag ins and outs are based on FLAGSTARTEND2 which means that double flags will appear as one flag in this indicator. It is meant to summarize the movements of the ships from one specific flag to another for a certain year. Additional information about these ships is also included in the indicator.

```
[IMO] [nvarchar](7) NOT NULL,
[YEAR] [nvarchar](4) NULL,
[FlagOutMS] [nvarchar](max) NULL,
[FlagOutEU] [varchar](6) NULL,
[FlagInMS] [nvarchar](max) NULL,
[FlagInEU] [varchar](6) NOT NULL,
[SHIPNAME] [nvarchar](50) NULL,
[shiptypeCode] [nvarchar](100) NULL,
[ShipTypeName] [nvarchar](55) NULL,
[ShipType] [nvarchar](1000) NULL,
[DATEOFBUILD] [nvarchar](6) NULL,
[GT] [int] NULL,
[GTRange] [varchar](7) NULL,
[DWT] [int] NULL,
[FleetUniverseMarker] [int] NOT NULL
```

4.4 [MAR_DONA].[V_G3]

Base Table: MARINFO4.LOT2E_DEMOLITIONS

This indicator shows the demolitions of ships in the past 5 years. The countries/flags are harmonized and additional information is added from the ActiveFleetUniverse table. The year and date of recycling is added to the indicator.

```
[IMO] [nvarchar](7) NOT NULL,
[ShipName] [nvarchar](50) NULL,
[ShipTypeCode] [nvarchar](255) NULL,
[ShipTypeName] [nvarchar](255) NULL,
[ShipType] [nvarchar](1000) NULL,
[GT] [int] NULL,
[GTRange] [varchar](7) NULL,
[DWT] [int] NULL,
[DateOfBuild] [nvarchar](6) NULL,
[FlagAtTimeOfRecycling] [nvarchar](max) NULL,
[EU_INDICATOR] [nvarchar](max) NULL,
[RecyclingDate] [nvarchar](8) NULL,
[YearOfRecycling] [nvarchar](4) NULL
```

4.5 [MAR_DONA].[V_G4]

Base Table: MARINFO4.LOT2E_DEMOLITIONS

Similarly to G3, this indicator shows us the recyclings of ships in the past 5 years. This indicator however focusses on ships that changed flags in the last year before recycling. This is based on harmonized flags/countries. This indicator also cleans up the data quality issues in deathdate or incidentdate.

```
[IMO] [nvarchar](7) NOT NULL,
[ShipName] [nvarchar](50) NOT NULL,
[ShipTypeCode] [nvarchar](255) NULL,
[ShipTypeName] [nvarchar](255) NULL,
[ShipType] [nvarchar](1000) NULL,
[GT] [int] NULL,
[GTRange] [varchar](7) NULL,
[DWT] [int] NULL,
[DateOfBuild] [nvarchar](6) NULL,
[FlagAtTimeOfRecycling] [nvarchar](max) NULL,
[EUAtTimeOfRecycling] [nvarchar](max) NULL,
[FlagOneYearBeforeRecycling] [nvarchar](max) NULL,
[EUOneYearBeforeRecycling] [varchar](6) NULL,
[RecyclingDate] [nvarchar](8) NULL,
[YearOfRecycling] [nvarchar](4) NULL
```

4.6 [MAR_DONA].[V_G5]

Base Table: MAR_DONA.PORTCALLS

This indicator calculates the number of port calls for a given group of country of the port, country of the ship and year. The shiptypes Tug & Dredger and fishing vessels are not taken into consideration. These number of port calls are then compared by the number of portcalls for each MS of the ships within and outside of Europe. These are shown in a percentage and ranking indicator.

```
[MemberState] [nvarchar](max) NULL,
[YearOfCall] [int] NULL,
[CountryOfCall] [nvarchar](max) NULL,
[CountryOfCallEuIndicator] [nvarchar](max) NULL,
[TotalPortCalls] [int] NULL,
[ZonePortCalls] [int] NULL,
[PercentageZonePortCalls] [float] NULL,
[ZoneRank] [bigint] NULL
```

4.7 [MAR_DONA].[V_G6]

Base Table: MAR_DONA.PORTCALLS

This indicator achieves the same as the G5 indicator, but now from the viewpoint of the country of the port instead of the country of the ship. An aggregation is made for each port_country of the number of calls from each ship_country that calls it for a certain year over the last 5 years. Similarly it will compare that to the sum of calls from ships within and outside of EU.

```
[MemberState] [nvarchar](max) NULL,
[YEAR] [int] NULL,
[FlagOfShip] [nvarchar](max) NULL,
[FlagEuIndicator] [nvarchar](max) NULL,
[ShipType] [nvarchar](1000) NULL,
```

```
[TotalPortCalls] [int] NULL,
[FlagEuIndicatorPortCalls] [int] NULL,
[PercentageOfCalls(ByFlagEuIndicator)] [float] NULL,
[ShipTypePortCalls] [int] NULL,
[PercentageOfCalls(ByShipType)] [float] NULL
```

4.8 [MAR_DONA].[V_G7]

Base Table: MAR_ANALYSIS.V_ACTIVEFLEETUNIVERSE

This indicator returns the number of ships and the total sum of GT for a certain class society code for a certain year. It will only count the active ships for the past 3 years.

```
[COUNTRY_NAME] [nvarchar](max) NULL,
[CLASSSOCETYCODE] [nvarchar](15) NULL,
[CLASSIFICATIONSOCIETY] [nvarchar](30) NULL,
[EU_INDICATOR] [nvarchar](max) NULL,
[NumberOfShips] [int] NULL,
[TotalGT] [int] NULL
```

4.9 [MAR_DONA].[V_E7]

Base Table: MAR_ANALYSIS.V_ACTIVEFLEETUNIVERSE

This indicator counts the number of ships with a special feature like %bwmp% and an active status over the last 3 years for each country.

```
[COUNTRY_NAME] [nvarchar](max) NULL,
[EU_INDICATOR] [nvarchar](max) NULL,
[NumberOfShips] [int] NULL
```

4.10 [MAR_DONA].[V_E8]

Base Table: MAR_ANALYSIS.V_ACTIVEFLEETUNIVERSE

Similarly, this indicator counts the number of ships with a special feature like %scrubber% and an active status over the last 3 years for each country.

```
[COUNTRY_NAME] [nvarchar](max) NULL,
[EU_INDICATOR] [nvarchar](max) NOT NULL,
[NumberOfShips] [int] NULL
```

4.11 [MAR_DONA].[V_F1]

Base Table: MARINFO4.LOT2C_INSPECTIONS

This indicator lists the inspections of ships from 2019 onwards. ShipCategories and countries are harmonized. PSC REGIME is created and represents the authorization field in the inspections table, for the case when authorization is in ('US Coastguard', 'US Coastguard LE') then the PSC regime = 'USCG'. We filter out records where AUTHORISATION NOT IN ('AMSA','MCGA').

```
[INSPECTIONID] [nvarchar](15) NOT NULL,
[IMO] [nvarchar](7) NOT NULL,
[SHIPNAME] [nvarchar](50) NULL,
[FLAG] [nvarchar](120) NULL,
[FLAGNAME] [nvarchar](max) NULL,
[EU_INDICATOR] [nvarchar](max) NULL,
[CLASS] [nvarchar](120) NULL,
[SHIPTYPEDECODE] [nvarchar](120) NULL,
[SHIPTYPECODE] [nvarchar](7) NULL,
[SHIPTYPE] [nvarchar](1000) NULL,
[GROSSTONNAGE] [int] NULL,
```

```
[DEADWEIGHT] [int] NULL,
[YEAROFBUILD] [nvarchar](4) NULL,
[OWNER] [nvarchar](255) NULL,
[MANAGER] [nvarchar](255) NULL,
[INSPECTIONDATE] [datetime] NULL,
[SOURCE] [nvarchar](50) NULL,
[PSC REGIME] [nvarchar](50) NULL,
[INSPECTIONPORTDECODE] [nvarchar](50) NULL,
[UNLOCODE] [nvarchar](15) NULL,
[COUNTRY] [nvarchar](50) NULL,
[NUMBEROFDEFECTS] [nvarchar](10) NULL,
[SHIPDETAINED] [nvarchar](5) NULL
```

4.12 [MAR_DONA].[V_F2]

Base Table: MARINFO4.LOT2C_INSPECTIONS

Same indicator as F1 with the only difference being we return only records where 'ShipDetained' = True.

```
[INSPECTIONID] [nvarchar](15) NOT NULL,
[IMO] [nvarchar](7) NOT NULL,
[SHIPNAME] [nvarchar](50) NULL,
[FLAG] [nvarchar](120) NULL,
[FLAGNAME] [nvarchar](max) NULL,
[EU_INDICATOR] [nvarchar](max) NULL,
[CLASS] [nvarchar](120) NULL,
[SHIPTYPEDECODE] [nvarchar](120) NULL,
[SHIPTYPECODE] [nvarchar](7) NULL,
[SHIPTYPE] [nvarchar](1000) NULL,
[GROSSTONNAGE] [int] NULL,
[DEADWEIGHT] [int] NULL,
[YEAROFBUILD] [nvarchar](4) NULL,
[OWNER] [nvarchar](255) NULL,
[MANAGER] [nvarchar](255) NULL,
[INSPECTIONDATE] [datetime] NULL,
[SOURCE] [nvarchar](50) NULL,
[PSC REGIME] [nvarchar](50) NULL,
[INSPECTIONPORTDECODE] [nvarchar](50) NULL,
[UNLOCODE] [nvarchar](15) NULL,
[COUNTRY] [nvarchar](50) NULL,
[NUMBEROFDEFECTS] [nvarchar](10) NULL,
[SHIPDETAINED] [nvarchar](5) NULL
```

4.13 [MAR_DONA].[V_F3]

Base Table: [MARINFO4].[LOT2C_DEFECTS] ⇔ [MARINFO4].[LOT2C_INSPECTIONS]

This indicator counts the number of occurrences of certain PSC Regimes and [Deficiency Area Label] combinations of the last 3 years. The labels are hardcoded within the view: and only the following regimes are shown: 'Black Sea MOU', 'Vina Del Mar', 'Tokyo MOU', 'Paris MOU', 'Med MOU', 'Indian Ocean MOU'


```
'01' THEN 'Certificate & Documentation'  
'02' THEN 'Structural Conditions'  
'03' THEN 'Water/Weathertight conditions'  
'04' THEN 'Emergency Systems'  
'05' THEN 'Radio Communications'  
'06' THEN 'Cargo operations including equipment'  
'07' THEN 'Fire safety'  
'08' THEN 'Alarms'  
'09' THEN 'Living and Working Conditions'  
'10' THEN 'Safety of Navigation'  
'11' THEN 'Life saving appliances'  
'12' THEN 'Dangerous goods'  
'13' THEN 'Propulsion and auxiliary machinery'  
'14' THEN 'Pollution prevention'  
'15' THEN 'ISM'  
'16' THEN 'ISPS'  
'18' THEN 'Labour conditions'  
'99' THEN 'Other'
```

```
[FLAGNAME] [nvarchar](max) NULL,  
[ShipType] [nvarchar](1000) NULL,  
[PSC Regime] [nvarchar](50) NULL,  
[Deficiency Area Code] [nvarchar](2) NULL,  
[Deficiency Area Label] [varchar](36) NOT NULL,  
[Occurrences] [int] NULL
```

5. MAR_HISTORY

A schema that holds views and tables that transforms multiple history tables from MARINFO4 into history tables with a start and end date for each status for each ship. Additionally extra information is added to these tables when requested. These tables are recreated weekly, including all new data that has been added to the database. All history tables use the same rational to find a start and end date: Clean up the effective dates from the base table, look for the next status by ordering by sequence, add one month to a certain status when it would start before the previous status due to data cleanup. When the most current record is shown, the end date will be 9999-12-31.

5.1 [MAR_HISTORY].[V_FLAGHISTORY]

Base Table: MARINFO4.LOT2A_HISTORY_FLAG

Flags are harmonized by the MAR_ANALYSIS.EUMS table. (FlagDecoded) A 'Flag Repititon' field is added. This will return 'Y' when the startdate of a certain flag status equals the startdate of other flag statuses for that ship. (double flags)

```
[IMO] [nvarchar](7) NOT NULL,
[sequence] [nvarchar](2) NOT NULL,
[FLAGCODE] [nvarchar](3) NOT NULL,
[FLAG] [nvarchar](40) NULL,
[FLAGDECODED] [nvarchar](max) NULL,
[EU_INDICATOR] [nvarchar](max) NULL,
[STARTDATE] [date] NULL,
[ENDDATE] [date] NULL,
[NEXTFLAG] [nvarchar](40) NULL,
[NEXT_EU_INDICATOR] [nvarchar](max) NULL,
[PREVIOUSFLAG] [nvarchar](40) NULL,
[PREVIOUS_EU_INDICATOR] [nvarchar](max) NULL,
[FLAG REPETITION] [varchar](1) NOT NULL
```

5.2 [MAR_HISTORY].[V_CLASSHISTORY]

Base Table: marinfo4.LOT2A_HISTORY_CLASS + MAR_REF.Class

The start and end date for a certain class for a certain ship depend on the next 'status' for a certain class – ship combination. When a class has a 'Disclassed' status for example, that marks the end date for that class status for that ship. Records with class status 'Disclassed' and 'Not Applicable' are filtered out. The reference class table is used to harmonize the class names, as we want to prevent situations like a class name change to distort the history table.

```
[IMO] [nvarchar](7) NOT NULL,
[SEQUENCE] [nvarchar](2) NOT NULL,
[CLASSNAME] [nvarchar](30) NOT NULL,
[HARMONISEDCLASSNAME] [nvarchar](30) NULL,
[CLASSINDICATOR] [nvarchar](50) NOT NULL,
[CLASSCODE] [nvarchar](20) NOT NULL,
[STARTDATE] [date] NULL,
[ENDDATE] [date] NULL
```

5.3 [MAR_HISTORY].[V_BENEFOWNERHISTORY]

Base Table: [MARINFO4].[LOT2A_HISTORY_BENEFOWNER]

Straightforward: Takes the base history table and transforms it to a history table with start and end date.

```
[IMO] [nvarchar](7) NOT NULL,
```

```
[GROUPBENEFOWNERCODE] [nvarchar](7) NOT NULL,
[GROUPBENEFOWNERNAME] [nvarchar](50) NOT NULL,
[STARTDATE] [date] NULL,
[ENDDATE] [date] NULL,
[NEXTBENEFOWNERNAME] [nvarchar](50) NULL,
[PREVIOUSBENEFOWNERNAME] [nvarchar](50) NULL
```

5.4 [MAR_HISTORY].[V_CALLSIGN_MMSIHISTORY]

Base Table: [MARINFO4].[LOT2A_HISTORY_CALL_SIGN_MMSI]

Straightforward: Takes the base history table and transforms it to a history table with start and end date, both for Call Sign and MMSI.

```
[IMO] [nvarchar](7) NOT NULL,
[CALLSIGN] [nvarchar](13) NULL,
[MMSI] [nvarchar](9) NULL,
[STARTDATE] [date] NULL,
[ENDDATE] [date] NULL,
[NEXTCALLSIGN] [nvarchar](13) NULL,
[PREVIOUSCALLSIGN] [nvarchar](13) NULL,
[NEXTMMSI] [nvarchar](9) NULL,
[PREVIOUSMMSI] [nvarchar](9) NULL
```

5.5 [MAR_HISTORY].[V_DOCHISTORY]

Base Table: [MARINFO4].[LOT2A_HISTORY_DOC]

Straightforward: Takes the base history table and transforms it to a history table with start and end date.

```
[IMO] [nvarchar](7) NOT NULL,
[DOCCOMPANYCODE] [nvarchar](7) NOT NULL,
[DOCCOMPANYNAME] [nvarchar](50) NOT NULL,
[STARTDATE] [date] NULL,
[ENDDATE] [date] NULL,
[NEXTDOCCOMPANYCODE] [nvarchar](7) NULL,
[NEXTDOCCOMPANYNAME] [nvarchar](50) NULL,
[PREVIOUSDOCCOMPANYCODE] [nvarchar](7) NULL,
[PREVIOUSDOCCOMPANYNAME] [nvarchar](50) NULL
```

5.6 [MAR_HISTORY].[V_MANAGERHISTORY]

Base Table: [MARINFO4].[LOT2A_HISTORY_MANAGER]

Straightforward: Takes the base history table and transforms it to a history table with start and end date.

```
[IMO] [nvarchar](7) NOT NULL,
[SHIPMANAGERCODE] [nvarchar](7) NOT NULL,
[SHIPMANAGERNAME] [nvarchar](50) NOT NULL,
[STARTDATE] [date] NULL,
[ENDDATE] [date] NULL,
[NEXTSHIPMANAGERCODE] [nvarchar](7) NULL,
[NEXTSHIPMANAGERNAME] [nvarchar](50) NULL,
[PREVIOUSSHIPMANAGERCODE] [nvarchar](7) NULL,
[PREVIOUSSHIPMANAGERNAME] [nvarchar](50) NULL
```

5.7 [MAR_HISTORY].[V_NAMEHISTORY]

Base Table: [MARINFO4].[LOT2A_HISTORY_NAME]

Straightforward: Takes the base history table and transforms it to a history table with start and end date.

```
[IMO] [nvarchar](7) NOT NULL,
[SHIPNAME] [nvarchar](50) NOT NULL,
[STARTDATE] [date] NULL,
[ENDDATE] [date] NULL,
[NEXTSHIPNAME] [nvarchar](50) NULL,
[PREVIOUSSHIPNAME] [nvarchar](50) NULL
```

5.8 [MAR_HISTORY].[V_OPERATORHISTORY]

Base Table: [MARINFO4].[LOT2A_HISTORY_OPERATOR]

Straightforward: Takes the base history table and transforms it to a history table with start and end date.

```
[IMO] [nvarchar](7) NOT NULL,
[OPERATORCODE] [nvarchar](7) NOT NULL,
[OPERATORNAME] [nvarchar](50) NOT NULL,
[STARTDATE] [date] NULL,
[ENDDATE] [date] NULL,
[NEXTDOCOPERATORCODE] [nvarchar](7) NULL,
[NEXTDOCOPERATORNAME] [nvarchar](50) NULL,
[PREVIOUSOPERATORCODE] [nvarchar](7) NULL,
[PREVIOUSOPERATORNAME] [nvarchar](50) NULL
```

5.9 [MAR_HISTORY].[V_OWNERHISTORY]

Base Table: [MARINFO4].[LOT2A_HISTORY_OWNER]

Straightforward: Takes the base history table and transforms it to a history table with start and end date.

```
[IMO] [nvarchar](7) NOT NULL,
[REGOWNERCODE] [nvarchar](7) NOT NULL,
[REGOWNERNAME] [nvarchar](50) NOT NULL,
[STARTDATE] [date] NULL,
[ENDDATE] [date] NULL,
[NEXTREGOWNERCODE] [nvarchar](7) NULL,
[NEXTREGOWNERNAME] [nvarchar](50) NULL,
[PREVIOUSREGOWNERCODE] [nvarchar](7) NULL,
[PREVIOUSREGOWNERNAME] [nvarchar](50) NULL
```

5.10 [MAR_HISTORY].[V_PANDIHISTORY]

Base Table: [MARINFO4].[LOT2A_HISTORY_PANDI]

Straightforward: Takes the base history table and transforms it to a history table with start and end date.

```
[IMO] [nvarchar](7) NOT NULL,
[PICLUBCODE] [nvarchar](20) NOT NULL,
[PICLUBNAME] [nvarchar](100) NULL,
[STARTDATE] [date] NULL,
[ENDDATE] [date] NULL,
[NEXTPICLUBCODE] [nvarchar](20) NULL,
[NEXTPICLUBNAME] [nvarchar](100) NULL,
```

```
[PREVIOUSPICLUBCODE] [nvarchar](20) NULL,  
[PREVIOUSPICLUBNAME] [nvarchar](100) NULL
```

5.11 [MAR_HISTORY].[V_TECHMANAGERHISTORY]

Base Table: [MARINFO4].[LOT2A_HISTORY_TECHMANAGER]

Straightforward: Takes the base history table and transforms it to a history table with start and end date.

```
[IMO] [nvarchar](7) NOT NULL,  
[TECHMANAGERCODE] [nvarchar](7) NOT NULL,  
[TECHMANAGERNAME] [nvarchar](50) NOT NULL,  
[STARTDATE] [date] NULL,  
[ENDDATE] [date] NULL,  
[NEXTTECHMANAGERCODE] [nvarchar](7) NULL,  
[NEXTTECHMANAGERNAME] [nvarchar](50) NULL,  
[PREVIOUSTECHMANAGERCODE] [nvarchar](7) NULL,  
[PREVIOUSTECHMANAGERNAME] [nvarchar](50) NULL
```

5.12 [MAR_HISTORY].[V_STATUSHISTORY]

Base Table: MARINFO4.LOT2A_HISTORY_STATUS

Straightforward: Takes the base history table and transforms it to a history table with start and end date.

```
[IMO] [nvarchar](7) NOT NULL,  
[STATUSCODE] [nvarchar](1) NOT NULL,  
[STATUSNAME] [nvarchar](50) NOT NULL,  
[STARTDATE] [date] NULL,  
[ENDDATE] [date] NULL,  
[NEXTSTATUSCODE] [nvarchar](1) NULL,  
[NEXTPICLUBNAME] [nvarchar](50) NULL,  
[PREVIOUSSTATUSCODE] [nvarchar](1) NULL,  
[PREVIOUSSTATUSNAME] [nvarchar](50) NULL
```

6. MAR_REF

The MAR_REF schema holds the reference tables and views. These references provide an ID, a name and a harmonized name for a certain data type, usually also with extra information about that ID. The references are found in certain base tables for each data type, and get updated regularly. Additionally a system is set up that finds new references within many other database tables in the MARINFO4 schema. These results are stored in a new reference table, and should be reported to IHS such that they can include the new reference into the base tables. Afterwards the reference table will pick up the new reference into the reference table with all necessary information. In case adding them to the IHS source tables is not an option, they will need to be manually added to the reference table. Each record has a EntryDate, this date is the moment when the record is added to the reference table.

6.1 [MAR_REF].[V_Country]

Base Table: marinfo4.LOT2A_CODE_FLAG - MARINFO4.LOT1B_PORTS

ID: CountryCode

Name Identifier: CountryName

Countryname is harmonized

EUMS is used for EU and EEA identifiers

PORTS is used for continent and region identifiers

```
[ID] [nvarchar](3) NULL,
[COUNTRYNAME] [nvarchar](50) NULL,
[HarmonisedCountryName] [nvarchar](max) NULL,
[EU] [nvarchar](max) NULL,
[EEA] [varchar](20) NULL,
[CONTINENTNAME] [nvarchar](100) NULL,
[REGIONNAME] [nvarchar](100) NULL,
[EntryDate] [datetime] NOT NULL
```

6.2 [MAR_REF].[V_ShipType]

Base Table: marinfo4.LOT2A_CODE_SHIPTYPE - MAR_ANALYSIS.SHIPCATEGORY

ID: Ship_Type_code_lv5

Name Identifier: SHIP_TYPE_NAME_Lv5

ShipTypeName is harmonized by MAR_ANALYSIS.SHIPCATEGORY based on code

```
[ID] [nvarchar](255) NULL,
[SHIPTYPENAME] [nvarchar](255) NULL,
[HarmonisedShipTypeName] [nvarchar](1000) NULL,
[ShipType] [nvarchar](1000) NULL,
[EntryDate] [datetime] NOT NULL
```

6.3 [MAR_REF].[V_ZONE]

Base Table: MARINFO4.LOT1B_ZONES - MAR_REF.V_PORT

ID: PORTGEOID

Name Identifier: ZONENAME

Harmonised country is added

Portname and its masterportname is added from MAR_REF.V_PORT

```
[ID] [int] NOT NULL,
[OLD_ID] [nvarchar](50) NOT NULL,
[ZONENAME] [nvarchar](100) NOT NULL,
[HARMONISEDZONENAME] [nvarchar](100) NOT NULL,
[TYPE] [nvarchar](10) NULL,
```

```
[STATUS] [nvarchar](10) NOT NULL,
[PORT_ID] [int] NOT NULL,
[PORTNAME] [nvarchar](40) NOT NULL,
[MASTERPORTNAME] [nvarchar](40) NULL,
[COUNTRY] [nvarchar](max) NULL,
[EU] [nvarchar](max) NULL,
[EEA] [varchar](20) NULL,
[ENTRYDATE] [datetime] NOT NULL
```

6.4 [MAR_REF].[V_Class]

Base Table: MARINFO4.LOT2A_CODE_CLASS

ID: CLASS_CODE

Name Identifier: CLASSNAME

In the script, 'VL' has been hamonised to 'Det Norske Veritas'

EU RO indicator has been added in the script with these keys:

```
, CASE WHEN CLASS_CODE IN
('AB','AS','BV','CC','CS','VL','NV','IR','KR','LR','NK','PR','RI')
THEN 'Y' Else 'N' end
as [EU RO (Y/N)]
```

```
[ID] [nvarchar](20) NOT NULL,
[CLASSNAME] [nvarchar](30) NOT NULL,
[HarmonisedClassName] [nvarchar](30) NOT NULL,
[EU RO (Y/N)] [varchar](1) NOT NULL,
[EntryDate] [datetime] NOT NULL
```

6.5 [MAR_REF].[V_COMPANY]

Base Table: MARINFO4.LOT2A_COMPANY_ALL - MARINFO4.LOT2A_COMPANY

ID: OWCODE

Name Identifier: SHORTCOMPANYNAME

Harmonized country_name is added to the reference table, as well as all eu indicators

Partencompany is added, with details about said parentcompany

Information like Nationality and company status is available in the reference table

```
[ID] [nvarchar](7) NOT NULL,
[COMPANY_NAME] [nvarchar](60) NOT NULL,
[COUNTRYNAME] [nvarchar](50) NULL,
[COUNTRY_DOMICILE] [nvarchar](max) NULL,
[EU] [nvarchar](max) NULL,
[EEA] [varchar](20) NULL,
[COMPANYSTATUS] [nvarchar](8) NULL,
[PARENTCOMPANY] [nvarchar](7) NULL,
[PARENTCOMPANYNAME] [nvarchar](60) NULL,
[PARENTCOMPANY_DOMICILE] [nvarchar](50) NULL,
[PARENT_COMPANY_EU] [nvarchar](max) NULL,
[PARENT_COMPANY_EEA] [varchar](20) NULL,
[NATIONALITYOFREGISTRATION] [nvarchar](40) NULL,
[NATIONALITYOFCONTROL] [nvarchar](40) NULL,
[ENTRYDATE] [datetime] NOT NULL
```

6.6 [MAR_REF].[V_Flag]

Base Table: marinfo4.LOT2A_SHIP

ID: FLAGCODE

Name Identifier: FLAGNAME

Flag names are harmonized, also EU indicators are included.

```
[ID] [nvarchar](3) NULL,
[FlagName] [nvarchar](50) NULL,
[HarmonisedFlagName] [nvarchar](max) NULL,
[EU] [nvarchar](max) NULL,
[EEA] [varchar](20) NULL,
[EntryDate] [datetime] NOT NULL
```

6.7 [MAR_REF].[V_PORT]

Base Table: MARINFO4.LOT1B_PORTS

ID: PORTID / OLDDID

Name Identifier: PORTNAME

Countries are harmonized, extra EU information is added as well for both the port in question and it's masterport

```
[ID] [int] NOT NULL,
[OLDDID] [nvarchar](6) NULL,
[PORTNAME] [nvarchar](40) NOT NULL,
[FULLPORTSTYLE] [nvarchar](40) NULL,
[STATUS] [nvarchar](10) NOT NULL,
[MASTERPOID] [nvarchar](6) NULL,
[MASTERPORTNAME] [nvarchar](40) NULL,
[COUNTRY] [nvarchar](max) NULL,
[EU] [nvarchar](max) NULL,
[EEA] [varchar](20) NULL,
[CONTINENTNAME] [nvarchar](100) NOT NULL,
[REGIONNAME] [nvarchar](100) NOT NULL,
[ECA] [bit] NULL,
[ENTRYDATE] [datetime] NOT NULL
```

6.8 [MAR_REF].[V_DEFECTS]

Base Table: LOT2C_DEFECTS - MARINFO3.ACH_DEFECT_CAT_PB_DATA_TABLE

ID: Main Defect Text

Name Identifier: DEFECT_CAT

All Main Defect Texts are taken from LOT2C Defects. These are then joined with the MARINFO3 category table to lookup the categories. As this table was manually constructed, new texts are added automatically if they appear in the defects table but new categories will not be added automatically. These categories can be added by specifying it directly in the Reference table.

```
[ID] [nvarchar](255) NULL,
[MAIN_DEFECT_TEXT] [nvarchar](255) NULL,
[DEFECT_CAT] [nvarchar](max) NULL,
[EntryDate] [datetime] NOT NULL
```

6.9 [MAR_REF].[NEWREFERENCES]

This table shows a list of new references that are not yet part of the reference table => which means they are also not a part of the base table for that specific reference type. When either an ID or a name is found in the reference table, it will not be showed in the NEWREFERENCES table.

REFERENCETYPE	LOOKUPSCHEMA	LOOKUPTABLE	LOOKUPFIELDID	LOOKUPFIELDNAME	NEWREFERENCEID	NEWREFERENCENAME
ZONE	MARINFO4	lot1a_movements	PORTGEOID	ZONENAME	11169	Eleusis Vilha Terminal

Reference Type: Shows which reference table we found a new reference for

LookupSchema: Shows the schema of the table where we are looking for new references

LookupTable: Shows the table name where we are looking for new references

LookupFieldID: The specified field of the lookup table where we are looking for new IDs

LookupFieldName: The specified field of the lookup table where we are looking for new name identifiers

NewReferenceID: The ID we found that is not yet part of the reference table

NewReferenceName: The name identifier we found that is not yet part of the reference table

```
[REFERENCETYPE] [nvarchar](200) NOT NULL,
[LOOKUPSCHEMA] [nvarchar](200) NOT NULL,
[LOOKUPTABLE] [nvarchar](200) NOT NULL,
[LOOKUPFIELDID] [nvarchar](200) NOT NULL,
[LOOKUPFIELDNAME] [nvarchar](200) NOT NULL,
[NEWREFERENCEID] [nvarchar](400) NULL,
[NEWREFERENCENAME] [nvarchar](400) NULL
```

6.10 [MAR_VERIF4].[PARAM_REFERENCES]

This table lists every lookup field for every reference we need to find in the MARINFO database that is not yet part of the reference table. If the fieldname is added to this table, the stored procedure will use it to look for new references.

REFERENCETYPE	LOOKUPSCHEMA	LOOKUPTABLE	LOOKUPFIELDID	LOOKUPFIELDNAME	REFERENCEFIELDID	REFERENCEFIELDNAME	ACTIVE
ZONE	MARINFO4	lot1a_movements	PORTGEOID	ZONENAME	ID	ZONENAME	1

Reference Type: Shows which reference table we found a new reference for

LookupSchema: Shows the schema of the table where we are looking for new references

LookupTable: Shows the table name where we are looking for new references

LookupFieldID: The specified field of the lookup table where we are looking for new IDs

LookupFieldName: The specified field of the lookup table where we are looking for new name identifiers

ReferenceFieldID: The name of the field in the reference table we are mapping to the lookupfieldID (Always ID)

ReferenceFieldName: The name of the field in the reference table we are mapping to the LookupFieldName

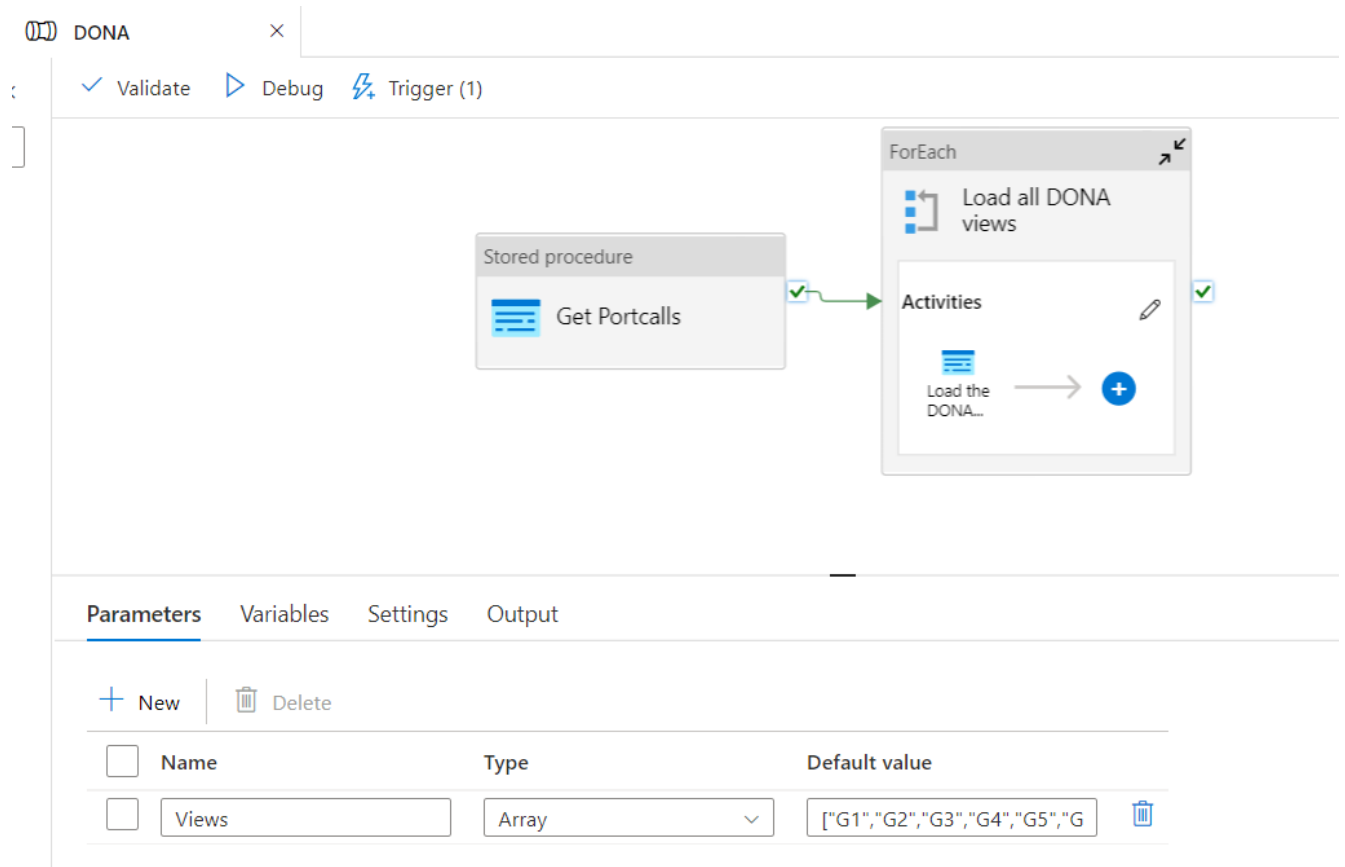
Active: A field that indicates whether this lookup should still be active, 0 for excluding it from the process

Note: When one of the fields is not available in the lookup table (either ID or Name), then **all field names should be referring to the fields that are available**. For example:

REFERENCETYPE	LOOKUPSCHEMA	LOOKUPTABLE	LOOKUPFIELDID	LOOKUPFIELDNAME	REFERENCEFIELDID	REFERENCEFIELDNAME	ACTIVE
COUNTRY	MARINFO4	LOT2A_COMPANY	COUNTRYNAME	COUNTRYNAME	COUNTRYNAME	COUNTRYNAME	1

7. Data Factory – Stored procedures

7.1 DONA



Dona indicators get materialized weekly. This is done from within a ADF pipeline that triggers a stored procedure to materialize the DONA views into DONA tables. Get Portcalls is first called to aggregate movements table data that gets used in multiple indicators. (For performance reasons) The Parameters given to the pipeline is a list of the names of the indicators.

The stored procedure that is used here is: MAR_DONA.LOADINDICATORS

7.2 MARINFO Update

Marinfo_update

Validate Debug Trigger (1)

ForEach

Materialize per schema

Activities

Materialize view

Stored procedure

Update References

Parameters Variables Settings Output

+ New Delete

Name	Type	Default value
Schemas	Array	["MAR_HISTORY","CREWLIST"]

The purpose of the Marinfo_update pipeline is twofold. This pipeline runs every week on Wednesday.

1) Materialize schemas

As a parameter we can give schema names like MAR_HISTORY, this will, when triggered, call a stored procedure that materializes all views that exist in that schema to their respective tables. Note that during this process the original MAR_HISTORY table gets dropped and recreated.

The stored procedure that is used for this is called: MAR_VERIF4.MaterializeSchemaViews. (Not to be confused with SPR_MaterializeViews which is used in the ingest_data pipeline.

2) Update references

In this part of the pipeline, the process for updating and finding new references is triggered.

This procedure performs the following:

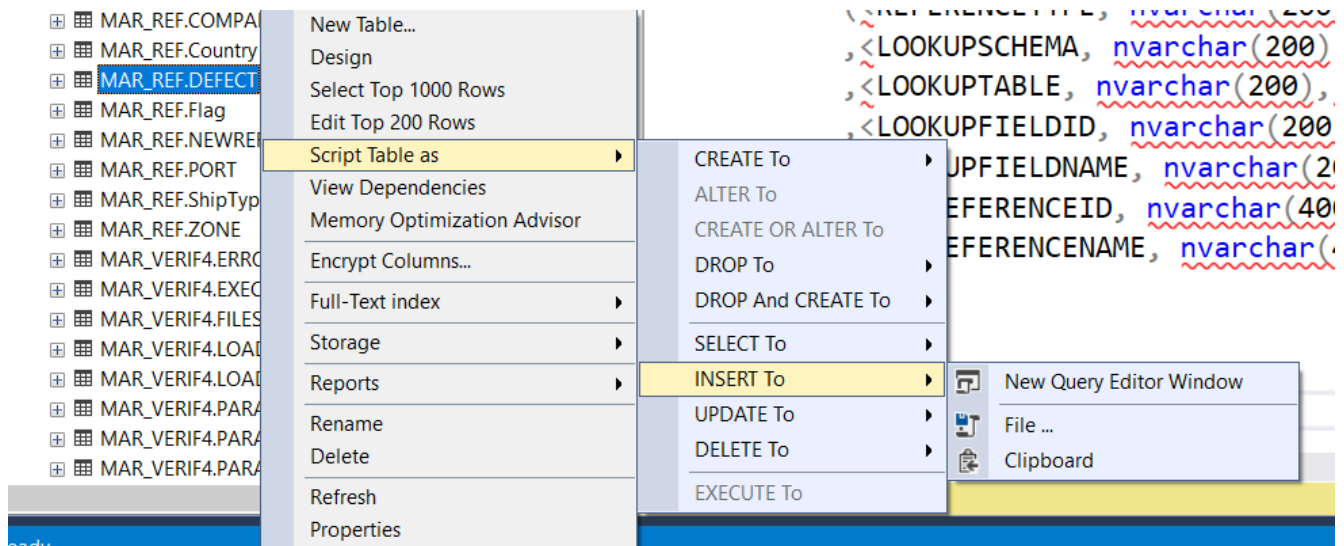
- Inserts new references in the associated reference table
- Truncates the NewReferences table
- Recreates the NewReference table by looking for undefined references in the database

The name of this stored procedure is MAR_VERIF4.REFERENCES

8. Manual update procedure of a SQL table

Here I will elaborate on how to generate a template INSERT or UPDATE script using the tools from SSMS available to us.

1) Right click the desired table in the Object Explorer => Script Table as =>



2) UPDATE the table:

SSMS will generate this script:

```
USE [marinfo-prod-asd]
GO
```

```
UPDATE [MAR_REF].[DEFECT]
SET [MAIN_DEFECT_TEXT] = <MAIN_DEFECT_TEXT, nvarchar(255),>
,[DEFECT_CAT] = <DEFECT_CAT, nvarchar(max),>
,[EntryDate] = <EntryDate, datetime,>
WHERE <Search Conditions,,>
GO
```

Just replace the values that start and end with < > with the values you need, and remove lines that are not needed.

For example, you can easily change this script to:

```
USE [marinfo-prod-asd]
GO

UPDATE [MAR_REF].[DEFECT]
SET [DEFECT_CAT] = 'TestCategory'
WHERE [MAIN_DEFECT_TEXT] = 'TestText'
GO
```

3) INSERT into the table

```
USE [marinfo-prod-asd]
GO
```

```
INSERT INTO [MAR_REF].[DEFECT]
    ([MAIN_DEFECT_TEXT]
    , [DEFECT_CAT]
    , [EntryDate])
VALUES
    (<MAIN_DEFECT_TEXT, nvarchar(255),>
    ,<DEFECT_CAT, nvarchar(max),>
    ,<EntryDate, datetime,>)
```

```
GO
```

Similar to the UPDATE query, just replace the values that start and end with < > with the values you need.

For example:

```
USE [marinfo-prod-asd]
GO
```

```
INSERT INTO [MAR_REF].[DEFECT]
    ([MAIN_DEFECT_TEXT]
    , [DEFECT_CAT]
    , [EntryDate])
VALUES
    ('TextTest', 'CategoryTest', GETDATE())
```

```
GO
```


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