

16 June 2025

Record of changes in EMSWe MIG v2.0.0 compared with v1.0.0

This document presents the changes that were made to the formalities and responses in the European Maritime Single Window's Message Implementation Guide (EMSWe MIG) v2.0.0 compared with v1.0.0.

The EMSWe MIG is available at <https://emsa.europa.eu/emswe-mig>.

ABS

- DE-035-02 (Person family name) has been made mandatory as follow-up to open issue 130.
- As follow up to DMR 354, DE-003-05 (Attachment file name) has been added and mapped with attribute [Attached File].[Name].
- As follow up to DMR 355, DE-003-06 (Attachment MIME type) has been added and mapped with attribute [Attached File].[MIME Code].

ACT

- A new data element DE-051-24 (Tank prewash exemption indicator), used by IT, has been added in class [Associated transport equipment] as per DMR 338 approved at DMWG7.
- As follow up to DMR 337, DE-051-23 (Tank washing water quantity) has been added and mapped with attribute [Associated Transport Equipment].[Wash Water Quantity]. Rule R-GENERAL-004 has been applied.
- Rule R-GENERAL-039 has been applied to DE-076-04 (Expected activity end time), to ensure that end time is after start time.

ATA

- Mapping of DE-015-06 (Actual first location) has been changed from [Occurrence Location].[ID] to [Occurrence Location].[Subordinate Location].[Name], because a location in a port corresponds to a subordinate location in MMT.

ATD

- Mapping of DE-016-06 (Actual last port call location) has been changed from [Occurrence Location].[ID] to [Occurrence Location].[Subordinate Location].[Name], because a location in a port corresponds to a subordinate location in MMT.

BKD

- As follow up to DMR 354, DE-003-05 (Attachment file name) has been added and mapped with attribute [Attached File].[Name].
- As follow up to DMR 355, DE-003-06 (Attachment MIME type) has been added and mapped with attribute [Attached File].[MIME Code].

- Format of data element DE-072-08 (Bunker delivery date) has been change from an..32 to an..35 to make it consistent with all other data elements.

BLR

- Condition C-GENERAL-006, which had been applied to RE-006-02 (Operations expected end date time) by mistake, has been removed.
- Rule R-GENERAL-039 has been added to RE-006-02 (Operations expected end date time) to control that the end date-time is after the start date-time.

BLU

- As follow up to DMR 354, DE-003-05 (Attachment file name) has been added and mapped with attribute [Attached File].[Name].
- As follow up to DMR 355, DE-003-06 (Attachment MIME type) has been added and mapped with attribute [Attached File].[MIME Code].
- Rule R-GENERAL-039 has been applied to DE-076-04 (Expected activity end time), to ensure that end time is after start time.
- Format of data element DE-066-01 (Expected duration of ballast operations) has been changed from an..35 to n..5 because an integer must be reported according to rule R-GENERAL-044.

CAR

- Cases of duplicated condition C-GENERAL-007 have been corrected.
- DE-064-58 (Requested validity of the proof justification) has been added because existing in IEP61, and condition C-CGM-001 has been applied to it. It replaces DE-003-01 (Remarks) which was incorrectly used for reporting that information.
- DE-003-01 (Remarks) has been removed because not used in IEP61.
- Condition C-CGM-013 has been removed from DE-048-10 (Cargo item package type, coded) because not relevant for that data element.
- Condition C-CGM-013 has been split in two to have C-CGM-013 applied to DE-048-09 (Cargo item number of packages) and DE-048-10 (Cargo item package type, coded), and a new condition C-CGM-015 applied to DE-048-08 (Cargo item marks and numbers). The purpose is to have a similar presentation as in AES formalities (C-EXS-008 and C-EXS-007).
- Rule R-GENERAL-034 applied to DE-048-01 (Cargo item number) has been replaced by R-GENERAL-021 (because DE-048-01 corresponds to an attribute [Sequence Number]).

CGA

- As follow up to DMR 354, DE-003-05 (Attachment file name) has been added and mapped with attribute [Attached File].[Name].
- As follow up to DMR 355, DE-003-06 (Attachment MIME type) has been added and mapped with attribute [Attached File].[MIME Code].

- According to DMR 370, DE-003-07 (Declarant statement, coded) has been added and mapped with attribute [Exchanged Declaration].[Statement Type Code].
- As follow up to DMR 363, format of DE-056-18 (Account holder telephone number) has been changed to "an..35".
- As follow up to DMR 364, format of DE-065-20 (Haulier phone number) has been changed to "an..35".
- A new MMT attribute [Maritime Container Size/Type Code] has been added in class [Logistics Transport Equipment] to address data element DE-051-17 (Container size and type, coded), which is used by ES, FI and FR. This change has been made to avoid using the same MMT attribute [Size/Type Code] for both data elements DE-051-17 (Container size and type, coded), which uses ISO 6346 size and type codes, and DE-051-13 (Transport equipment size and type, coded) which uses UN/EDIFACT code list 8155.
- A new MMT attribute [Transport Movement Status Code] has been added in class [Logistics Transport Equipment] and mapped with DE-051-18 (Transport equipment status, coded) to address codes "2" (Export), "3" (Import), "6" (Transshipment) or "8" (Overlanded) that are required by PL.
- Rules R-GENERAL-050 and R-GENERAL-051 have been added to indicate which subsets of UN/EDIFACT code list 8249 must be used in attributes [Logistics Transport Equipment].[Operational Status Code] and [Logistics Transport Equipment].[Transport Movement Status Code] respectively.
- MS mapping with BG, FR, IT has been added to DE-045-17 (Type of cargo, coded).

CGD

- According to DMR 370, DE-003-07 (Declarant statement, coded) has been added and mapped with attribute [Exchanged Declaration].[Statement Type Code].
- As follow up to DMR 363, format of DE-056-18 (Account holder telephone number) has been changed to "an..35".
- As follow up to DMR 364, format of DE-065-20 (Haulier phone number) has been changed to "an..35".
- MS mapping has been added to DE-045-01 (Manifest type, coded) because this is a part-C element and to make it similar to CGA.
- Mapping with Germany has been added to DE-045-08 (Number of empty containers TEU on board) because this is a part-C element and to make it similar to CGA.
- MS mapping with BG, FR, IT has been added to DE-045-17 (Type of cargo, coded).
- Mapping with France has been added to DE-065-01 (Driver first name) and DE-065-02 (Driver last name) because this is a part-C element and to make it similar to CGA.
- A new MMT attribute [Maritime Container Size/Type Code] has been added in class [Logistics Transport Equipment] to address data element DE-051-17 (Container size and type, coded), which is used by ES, FI and FR. This change has been made to avoid using the same MMT attribute [Size/Type Code] for botsh data elements DE-051-17 (Container size and type, coded), which uses ISO 6346 size and type codes, and DE-051-13 (Transport equipment size and type, coded) which uses UN/EDIFACT code list 8155.
- A new MMT attribute [Transport Movement Status Code] has been added in class [Logistics Transport Equipment] and mapped with DE-051-18 (Transport equipment status, coded) to address codes "2" (Export), "3" (Import), "6" (Transshipment) or "8" (Overlanded) that are required by PL.

- Rules R-GENERAL-050 and R-GENERAL-051 have been added to indicate which subsets of UN/EDIFACT code list 8249 must be used in attributes [Logistics Transport Equipment].[Operational Status Code] and [Logistics Transport Equipment].[Transport Movement Status Code] respectively.

CGM

- Cases of duplicated condition C-GENERAL-007 have been corrected.
- Condition C-CGM-013 has been split in two to have C-CGM-013 applied to DE-048-09 (Cargo item number of packages), and a new condition C-CGM-015 applied to DE-048-08 (Cargo item marks and numbers). The purpose is to have a similar presentation as in AES formalities (C-EXS-008 and C-EXS-007).
- Rule R-GENERAL-034 applied to DE-048-01 (Cargo item number) has been replaced by R-GENERAL-021 (because DE-048-01 corresponds to an attribute [Sequence Number]).

CRT

- As follow up to DMR 354, DE-003-05 (Attachment file name) has been added and mapped with attribute [Attached File].[Name].
- As follow up to DMR 355, DE-003-06 (Attachment MIME type) has been added and mapped with attribute [Attached File].[MIME Code].
- New condition C-CRT-005, corresponding to BR-055, has been added to DE-006-04 (Certificate description).
- Condition C-CRT-002 has been revised to align with business rule BR-057 and has been moved to apply to data element DE-006-08 (Certificate issuer, coded).
- Condition C-CRT-004 has been added to reflect business rule BR-058 and has been applied to data element DE-006-09 (Certificate issuer name).

CUS

- Guideline G-CUS-001 has been applied to class [Exchanged Document].[Attached File].

CWA, CWD

- Guideline G-PXA-001 has been rephrased for clarity.
- Condition C-GENERAL-003 has been removed from DE-035-06 (Person place of birth name) because not applicable.
- DE-035-02 (Person family name) has been made mandatory as follow-up to open issue 130.

DUE

- As follow up to DMR 367, DE-077-22 (Due method of payment, coded) has been added and mapped with attribute [Call Event].[Fairway and Port Dues].[Applicable Payment].[Method Code].

- As follow up to DMR 368, the name of attribute [Receipt ID], corresponding to DE-077-10 (Due payment identification number) has been changed to [Proof ID] and its format has been changed to “an..100”.
- The data element DE-002-12 (Previous formality LRN) has been added on the request of IT.

EFF

- DE-035-02 (Person family name) has been made mandatory as follow-up to open issue 130.
- As follow up to DMR 350, DE-036-02 (Crew effects description, coded) has been added and mapped with attribute [Crew Travel Effects].[Type Code].
- Consequently, to the above, DE-036-02 (Crew effects description, coded) has been set to mandatory while DE-036-01 (Crew effects description) has been set to optional. New condition C-EFF-001 has been added to DE-036-01.

EXS

- Guideline G-EXS-008 (which corresponds to TAXUD DDNXA guideline G0107) has been added to DE-048-03 (Cargo item gross mass).
- In conditions C-EXS-007 and C-EXS-008, references to TAXUD code lists CL181 (bulk) and CL182 (unpacked) have been replaced by explicit code values (as in PoUS conditions C-CGM-013 and C-CGM-015).
- In rule R-EXS-005, reference to code list CL182 (unpacked) has been replaced by explicit code values.
- Condition C-EXS-023 have been reworded for clarity.
- Guideline G-GENERAL-009 has been replaced by new rule R-GENERAL-046.
- Conditions C-EXS-018 and C-EXS-024 have been changed into guidelines G-EXS-019 and G-EXS-020 respectively.
- Rule R-GENERAL-034 applied to DE-048-01 (Cargo item number) has been replaced by R-GENERAL-021 (because DE-048-01 corresponds to an attribute [Sequence Number]).
- Mapping of DE-095-01 (Additional reference number) with attribute [Included Consignment Item].[Gross Weight] was incorrect and has been removed.

EXT

- Condition C-EXT-001 has been removed from DE-048-09 (Cargo item number of packages), DE-048-10 (Cargo item package type, coded) and class [Shipping Marks] because not relevant for these elements and class.
- Guideline G-GENERAL-009 has been replaced by new rule R-GENERAL-046.
- Mapping of DE-095-01 (Additional reference number) with attribute [Included Consignment Item].[Gross Weight] was incorrect and has been removed.

HOS

- DE-035-02 (Person family name) has been made mandatory as follow-up to open issue 130.

HZA

- As follow up to DMR 354, DE-003-05 (Attachment file name) has been added and mapped with attribute [Attached File].[Name].
- As follow up to DMR 355, DE-003-06 (Attachment MIME type) has been added and mapped with attribute [Attached File].[MIME Code].
- As follow up to DMR 370, DE-003-07 (Declarant statement, coded) has been added and mapped with attribute [Exchanged Declaration].[Statement Type Code].
- Data element DE-056-01 (Dangerous goods shipper's reference number) has been added (as optional attribute) because this information is included in reporting obligation B7 (IMO FAL 7).
- As follow up to DMR 362, format of DE-046-04 (DPG contact phone number) has been changed to "an..35".
- Rule R-HZA-005, applied to DE-047-42 (Cargo operation, coded), has been revised to add codes "COP-05" (Unload above deck), "COP-06" (Blend) and "COP-08" (Unload Ship-to-Ship).
- Rule R-HZA-001 has been revised to limit the values for fire EmS codes from "F-A" to "F-J".
- Rule R-HZA-006 has been updated with the addition of new attachment types as per DMR 344.
- New data elements DE-052-10 (Ventilation method description), DE-052-08 (Ventilation after fumigation start date time) and DE-052-09 (Ventilation after fumigation end date time), used by IT, have been added in a new class [Logistics Transport Equipment].[Related Ventilation Event] as per DMRs 340 and 342 approved at DMWG7.
- Rule R-GENERAL-039 has been added to DE-052-09 (Ventilation after fumigation end date time) to control that the end date-time is after the start date-time.
- A new MMT attribute [Maritime Container Size/Type Code] has been added in class [Logistics Transport Equipment] to address data element DE-051-17 (Container size and type, coded), which is used by ES, FI and FR. This change has been made to avoid using the same MMT attribute [Size/Type Code] for both data elements DE-051-17 (Container size and type, coded), which uses ISO 6346 size and type codes, and DE-051-13 (Transport equipment size and type, coded) which uses UN/EDIFACT code list 8155.
- Rule R-HZA-009 has been removed because not needed anymore.
- Rules R-GENERAL-050 has been added to indicate which subset of UN/EDIFACT code list 8249 must be used in attribute [Logistics Transport Equipment].[Operational Status Code], corresponding to data element DE-051-18 (Transport equipment status, coded).
- Rule R-GENERAL-001 has been added for DateTime objects where missing: DE-052-08 (Ventilation after fumigation start date time), DE-052-09 (Ventilation after fumigation end date time)
- Format of data element DE-054-03 (Transshipment ship IMO number) has been changed from an7 to n7, for consistency with DE-005-03 (Ship IMO number).

- Format of data element DE-054-04 (Transshipment ship MMSI number) has been changed from an9 to n9, for consistency with DE-005-04 (MMSI number).
- Cardinalities of DE-047-01 (Port of loading, coded), DE-047-04 (Port of discharge, coded) and DE-046-13 (Explosives or fireworks indicator) have been changed to 1..1 because they are alone in their classes.

HZD

- Rule R-HZA-001 has been revised to limit the values for fire EmS codes from "F-A" to "F-J".
- As follow up to DMR 370, DE-003-07 (Declarant statement, coded) has been added and mapped with attribute [Exchanged Declaration].[Statement Type Code].
- As follow up to DMR 362, format of DE-046-04 (DPG contact phone number) has been changed to "an..35".
- Data element DE-056-01 (Dangerous goods shipper's reference number) has been added (as optional attribute) because this information is included in reporting obligation B7 (IMO FAL 7).
- Rule R-HZD-001, applied to DE-047-42 (Cargo operation, coded), has been revised to add codes "COP-02" (Load above deck) and "COP-07" (Load Ship-to-Ship).
- Condition C-HZA-006 has been applied to DE-049-30 (Bulk hazardous material indicator) to be consistent with HZA and HZS.
- A new MMT attribute [Maritime Container Size/Type Code] has been added in class [Logistics Transport Equipment] to address data element DE-051-17 (Container size and type, coded), which is used by ES, FI and FR. This change has been made to avoid using the same MMT attribute [Size/Type Code] for both data elements DE-051-17 (Container size and type, coded), which uses ISO 6346 size and type codes, and DE-051-13 (Transport equipment size and type, coded) which uses UN/EDIFACT code list 8155.
- Rule R-HZA-009 has been removed because not needed anymore.
- Rules R-GENERAL-050 has been added to indicate which subset of UN/EDIFACT code list 8249 must be used in attribute [Logistics Transport Equipment].[Operational Status Code], corresponding to data element DE-051-18 (Transport equipment status, coded).
- Cardinalities of DE-047-01 (Port of loading, coded) and DE-047-04 (Port of discharge, coded) have been changed to 1..1 because they are alone in their classes.

HZS:

- Rule R-HZA-001 has been revised to limit the values for fire EmS codes from "F-A" to "F-J".
- As follow up to DMR 362, format of DE-046-04 (DPG contact phone number) has been changed to "an..35".
- Data element DE-056-01 (Dangerous goods shipper's reference number) has been added (as optional attribute) because this information is included in reporting obligation B7 (IMO FAL 7).
- Rule R-HZA-005 has been removed from DE-047-42 (Cargo operation, coded) because all code values are applicable.

- A new MMT attribute [Maritime Container Size/Type Code] has been added in class [Logistics Transport Equipment] to address data element DE-051-17 (Container size and type, coded), which is used by ES, FI and FR. This change has been made to avoid using the same MMT attribute [Size/Type Code] for both data elements DE-051-17 (Container size and type, coded), which uses ISO 6346 size and type codes, and DE-051-13 (Transport equipment size and type, coded) which uses UN/EDIFACT code list 8155.
- Rule R-HZA-009 has been removed because not needed anymore.
- Rules R-GENERAL-050 has been added to indicate which subset of UN/EDIFACT code list 8249 must be used in attribute [Logistics Transport Equipment].[Operational Status Code], corresponding to data element DE-051-18 (Transport equipment status, coded).
- DE-046-02 (DG Manifest Onboard Indicator) has been made optional, because it is required by reporting obligation A3, which is not applicable to movements of ships in ports.
- Cardinalities of DE-047-01 (Port of loading, coded) and DE-047-04 (Port of discharge, coded) have been changed to 1..1 because they are alone in their classes.

MAI

- Codes "MFX" and "TSR" have been added to code list Formality type.
- Guidelines G-MAI-003 and G-MAI-004 have been removed as a follow-up to open issue 137.
- Guideline G-MAI-007 has been rephrased to make it more general and not only limited to EXS ("Report [MRN] when this is required for updating a Customs formality"), leaving it to the Member States to determine for which customs formalities it is required.
- A new rule R-MAI-004 has been applied to DE-002-08 (Message function, coded) to reflect principle MIG-P29.
- C-MAI-001 has been aligned with MIG-P14 (condition applied to formalities ACT, CGA, CGD, MFX and TSR and DUE as well).
- Cases of duplicated condition C-GENERAL-007 have been corrected.
- In guideline G-MAI-007, reference to MRN has been corrected by using the actual MMT attribute's name.

MDD

- DE-035-02 (Person family name) has been made mandatory as follow-up to open issue 130.
- Guideline G-MDH-001 has been removed because in contradiction with condition C-MDH-005 applied to DE-032-17 (Number of dead persons) in MDH.

MFX

- Formality MFX has been added to the MIG.

MTS

- Condition C-MTS-005 has been removed from DE-047-47 (Maritime coastal area of loading, coded) in class [Port Call Unloading Event].[Specified Origin] because not relevant for that class.
- DE-034-06 (Number of non-cruise passengers) has been added in classes [Logistics Transport Movement].[Call Event].[Port Call Unloading Event] and [Logistics Transport Movement].[Call Event].[Port Call Loading Event] as follow-up to open issue 119.

NAC

- Condition C-NAC-002 has been removed from class [Supply Chain Consignment].[Transport Contract Document] because not relevant for that class.
- Guideline G-GENERAL-009 has been replaced by new rule R-GENERAL-046.
- Condition C-NAC-001 has been removed from DE-055-01 (Previous document: Reference number) because it is already applied at the level of the class (class [Cross-Border Regulatory Procedure]).

NOA

- As follow up to DMR 354, DE-003-05 (Attachment file name) has been added and mapped with attribute [Attached File].[Name].
- As follow up to DMR 355, DE-003-06 (Attachment MIME type) has been added and mapped with attribute [Attached File].[MIME Code].
- As follow up to DMR 370, DE-003-07 (Declarant statement, coded) has been added and mapped with attribute [Exchanged Declaration].[Statement Type Code].
- DE-083-12 (Pilot exemption certificate holder family name) and DE-012-01 (Master family name) have been made mandatory as follow-up to open issue 130.
- Cardinality of data element DE-008-28 (Ship net tonnage) has been corrected from 0..n to 0..1.
- As follow up to DMR 359, format of DE-007-07 (IMO company phone number) has been changed to an..35.
- Data element DE-029-03 (Additional agent name) has been removed as per DMR 329 approved at DMWG7.
- Data element DE-029-05 (Additional agent contact name) has been removed because already addressed by elements DE-029-15 (Agent contact given name) and DE-029-04 (Agent contact family name), and for consistency with removal of DE-029-03 (Additional agent name) through DMR 329.
- DE-029-15 (Agent contact given name) and DE-029-04 (Agent contact family name) have been made mandatory as follow-up to open issue 130.
- As follow up to DMR 371, DE-022-14 (Itinerary subordinate port name) has been added and mapped with attribute [Itinerary Route].[Itinerary Stop Event].[Occurrence Location].[Subordinate Logistics Location].[Name].
- DE-013-02 (Ship defect, coded) has been changed to mandatory in class [Reported Defect], and condition C-NOA-003 has been added and applied it to DE-013-03 (Ship defect description). Note: These changes are applicable in all countries that require to report defects: FR, IE, MT, NL, PL, RO,

SE. Therefore, both elements DE-013-02 (Ship defect, coded) and DE-013-03 (Ship defect description) are applicable in these countries.

- DE-014-23, used by ES and FR, has been renamed to “Cabotage authorized indicator”, as per DMR 336 approved at DMWG7.
- A new data element DE-014-52 (Cabotage voyage indicator), used by IT, has been added in class [Logistic transport movement] as per DMR 335 approved at DMWG7.
- The mapping of attribute [Used Transport Means].[Registration Country].[Code] with data element DE-005-15 (Departure transport means nationality) has been removed because not relevant for NOA.

NOD

- As follow up to DMR 354, DE-003-05 (Attachment file name) has been added and mapped with attribute [Attached File].[Name].
- As follow up to DMR 355, DE-003-06 (Attachment MIME type) has been added and mapped with attribute [Attached File].[MIME Code].
- As follow up to DMR 370, DE-003-07 (Declarant statement, coded) has been added and mapped with attribute [Exchanged Declaration].[Statement Type Code].
- DE-083-12 (Pilot exemption certificate holder family name) and DE-012-01 (Master family name) have been made mandatory as follow-up to open issue 130.
- Cardinality of data element DE-008-28 (Ship net tonnage) has been corrected from 0..n to 0..1.
- As follow up to DMR 359, format of DE-007-07 (IMO company phone number) has been changed to an..35.
- As follow up to DMR 371, DE-022-14 (Itinerary subordinate port name) has been added and mapped with attribute [Itinerary Route].[Itinerary Stop Event].[Occurrence Location].[Subordinate Logistics Location].[Name].
- DE-013-02 (Ship defect, coded) has been changed to mandatory in class [Reported Defect], and condition C-NOA-003 has been added and applied it to DE-013-03 (Ship defect description). Note: These changes are applicable in all countries requiring the report of defects: FR, IE, MT, NL, PL, RO, SE. Therefore, both elements DE-013-02 (Ship defect, coded) and DE-013-03 (Ship defect description) are applicable in these countries.
- The mapping of attribute [Used Transport Means].[Registration Country].[Code] with data element DE-005-15 (Departure transport means nationality) has been removed because not relevant for NOD and NOS.

NOS

- Cardinality of DE-012-01 (Master family name) and DE-083-12 (Pilot exemption certificate holder family name) have been changed to 1..1 to align with other family names.
- Cardinality of data element DE-008-28 (Ship net tonnage) has been corrected from 0..n to 0..1.
- As follow up to DMR 359, format of DE-007-07 (IMO company phone number) has been changed to an..35.

- DE-013-02 (Ship defect, coded) has been changed to mandatory in class [Reported Defect], and condition C-NOA-003 has been added and applied it to DE-013-03 (Ship defect description). Note: These changes are applicable in all countries requiring the report of defects: FR, IE, MT, NL, PL, RO, SE. Therefore, both elements DE-013-02 (Ship defect, coded) and DE-013-03 (Ship defect description) are applicable in these countries.

PBK

- DE-035-02 (Person family name) has been made mandatory as follow-up to open issue 130.
- As follow up to DMR 361, format of DE-035-30 (Person phone number) has been changed to "an..35".
- Code list of DE-038-12 (Method of payment, coded), used by IE and FR, has been changed to UN/EDIFACT code list 4461 and the format changed to an..3, as per DMR 332 and 334 approved at DMWG7.
- Condition C-GENERAL-003 has been removed from DE-035-06 (Person place of birth name) because not applicable, and guideline G-PXA-004 has been added.
- Guidelines G-PXA-004 has been rephrased for clarity.

PNO

- Cases of duplicated condition C-GENERAL-007 have been corrected.
- Guidelines G-GENERAL-008 and G-GENERAL-009 have been replaced by new rules R-GENERAL-045 and R-GENERAL-046 respectively.

POA, POD

- As follow up to DMR 360, format of DE-021-12 (Pontoon operator company contact phone number) has been changed to an..35.

PPA

- Cases of duplicated condition C-GENERAL-007 have been corrected.
- Condition C-CGM-010 has been applied to DE-063-10 (Location of goods, Address: Street and number) and to DE-063-12 (Location of goods, Address: City) in replacement of C-CGM-009 because C-CGM-009 was not relevant for these elements.

PXA

- Condition C-GENERAL-003 has been removed from DE-035-06 (Person place of birth name) because not applicable.
- DE-035-02 (Person family name) has been made mandatory as follow-up to open issue 130.
- As follow up to DMR 361, format of DE-035-30 (Person phone number) has been changed to an..35.
- Data elements DE-039-05 (Immediate next country after disembarkation, coded), DE-039-06 (Disembarkation first border crossing, coded), DE-039-07 (Disembarkation to first border crossing transport mode, coded) and DE-039-08 (Onboard Person Insurance Exemption Indicator), all required

by Norway, have been placed in a class [Onboard Person].[Disembarkation Location].[First Boarding Crossing], and all made mandatory in that class.

- Guideline G-PXA-002 ("Can be provided if [Exchanged Document].[Subtype Code]="SUB-02" ("Information on persons on board passenger ship").") has been removed, because it was applied to the following optional data elements and therefore not relevant: DE-035-25 (Person special care or assistance description) and DE-035-29 (Person emergency contact number).
- Guideline G-PXA-001 has been rephrased for clarity.
- Guideline G-PXA-001 ("Should be provided if [Exchanged Document].[Subtype Code]="SUB-01" ("Border checks on persons").") has been removed from class [Travel Visa Document] because information on visa is only to be reported when applicable according to the Schengen Border Code.

PXD

- Condition C-GENERAL-003 has been removed from DE-035-06 (Person place of birth name) because not applicable.
- DE-035-02 (Person family name) has been made mandatory as follow-up to open issue 130.
- As follow up to DMR 361, format of DE-035-30 (Person phone number) has been changed to "an..35".
- Data elements DE-039-05 (Immediate next country after disembarkation, coded), DE-039-06 (Disembarkation first border crossing, coded), DE-039-07 (Disembarkation to first border crossing transport mode, coded) and DE-039-08 (Onboard Person Insurance Exemption Indicator), have been removed from PXD because not relevant at the ship's departure.
- Guideline G-PXA-002 ("Can be provided if [Exchanged Document].[Subtype Code]="SUB-02" ("Information on persons on board passenger ship").") has been removed, because it was applied to the following optional data elements and therefore not relevant: DE-035-25 (Person special care or assistance description) and DE-035-29 (Person emergency contact number).
- Guideline G-PXA-001 has been rephrased for clarity.
- Guideline G-PXA-001 ("Should be provided if [Exchanged Document].[Subtype Code]="SUB-01" ("Border checks on persons").") has been removed from class [Travel Visa Document] because information on visa is only to be reported when applicable according to the Schengen Border Code.

REN

- Guideline G-GENERAL-009 has been replaced by new rule R-GENERAL-046.
- Conditions C-EXS-018 and C-EXS-024 have been changed into guidelines G-EXS-019 and G-EXS-020.
- Rule R-GENERAL-034 applied to DE-048-01 (Cargo item number) has been replaced by R-GENERAL-021 (because DE-048-01 corresponds to an attribute [Sequence Number]).

RES

- Condition C-RES-002 has been applied to RE-013-01 (Authority identification number) and RE-013-02 (Authority name) so that at least one of the two is provided.

- RE-002-06 (Message identifier) and RE-002-08 (Version) have been added (as optional elements), to reflect the content of MAI.

SEC

- DE-031-01 (Company security officer family name) has been made mandatory as follow-up to open issue 130.
- Rule R-GENERAL-016 has been removed from DE-023-05 (Previous port facility call end date) and DE-028-06 (Ship-to-ship activity end date) because not relevant for these elements.
- Condition C-SEC-002 has been removed from DE-030-08 (ISSC identifier), because this is a part-C data element that cannot be required to be reported in all MNSWs.
- Condition C-SEC-003 has been removed because it was applied to DE-014-43 (Missing previous calls justification), which is a part-C element that cannot be required to be reported in all MNSWs.

SID

- Condition C-GENERAL-002 has been corrected to refer to "Ship Call ID" instead of "ID".

SHP

- As follow up to DMR 365, format of DE-009-07 (Ramp length) has been changed to "n..4,2".
- Data element DE-08-12 (Fresh water draught), used by BG and FR, has been removed, as per DMR 330 approved at DMWG7.

SRV

- As follow up to DMR 354, DE-003-05 (Attachment file name) has been added and mapped with attribute [Attached File].[Name].
- As follow up to DMR 355, DE-003-06 (Attachment MIME type) has been added and mapped with attribute [Attached File].[MIME Code].
- According to DMR 370, DE-003-07 (Declarant statement, coded) has been added and mapped with attribute [Exchanged Declaration].[Statement Type Code].
- DE-019-04 (Expected mooring orientation, coded) has been added (as optional information) on the request of SE.
- DE-078-13 (Service provider contact family name) and DE-088-05 (Lightering supervisor family name) have been made mandatory as follow-up to open issue 130.
- Rule R-SRV-001 has been updated with new attachment types as per DMR 344.
- The format of DE-089-01 (Electrical supply pressure value), has been changed to "n..3" as per DMR 333 approved at DMWG7.
- The format of DE-089-04 (Electrical supply frequency), has been changed to "n..3" as per DMR 334 approved at DMWG7.

- New data elements DE-081-07 (Accompanying tug name) and DE-081-08 (Accompanying tug type), used by SE, have been added in class [Requested Pilotage Service] as per DMR 348 and 349 approved at DMWG7.
- Rule R-GENERAL-039 has been added to DE-078-07 (ETA end position for the service) and DE-078-08 (Date and time of service completion – requested).

STW

- As follow up to DMR 354, DE-003-05 (Attachment file name) has been added and mapped with attribute [Attached File].[Name].
- As follow up to DMR 355, DE-003-06 (Attachment MIME type) has been added and mapped with attribute [Attached File].[MIME Code].
- Cardinality of DE-042-14 (Stowaway boarding country address) had been corrected from 0..n to 0..1.
- Attributes [Writing Proficiency Level Code], [Speaking Proficiency Level Code] and [Reading Proficiency Level Code] have been replaced by attributes [Speaking Language ID], [Writing Language ID] and [Reading Language ID] because the former attributes did not correspond to language codes, but to language skill levels.

TSD

- Element DE-022-02 (Date and time of arrival – estimated) has been added as optional information, with guidance G-TSD-010 and rule R-GENERAL-001.
- Mapping of DE-095-01 (Additional reference number) with attribute [Included Consignment Item].[Gross Weight] was incorrect and has been removed.
- Cases of duplicated condition C-GENERAL-007 have been corrected.
- New conditions C-TSD-004 and C-TSD-005, reflecting TAXUD condition C0060, have been added and applied to respectively DE-048-09 (Cargo item number of packages) and to DE-048-08 (Cargo item marks and numbers) at MI and HI levels.
- Conditions C-TSD-006 to C-TSD-014 have been added to control the information reported in class [Declared For Customs Location] depending on the value of DE-063-01 (Location of goods, Type of location).
- Condition C-TSD-003 has been applied to DE-064-24 (Representative, Name), in addition to DE-064-25 (Representative, Identification number).
- Guidelines G-TSD-011 and G-TSD-012 have been added to replicate AES conditions C0505 and C0382.
- Guidelines G-GENERAL-008, G-GENERAL-009 and G-GENERAL-011 have been replaced by new rules R-GENERAL-045, R-GENERAL-046 and R-GENERAL-048 respectively.
- Guideline G-TSD-005 has been applied to class [Transport Package] at HI level, to reflect G-STD-005 already at MI level.
- The mapping of DE-048-01 (Cargo item number) with NL as national specific requirement has been removed because DE-048-01 is a Part-A element.

TSR

- Formality TSR has been added to the MIG.

VID

- As follow up to DMR 356 and MIG open issue 133, DE-014-53 (Subordinate port name) has been added and mapped with attribute [Occurrence Location].[Subordinate Logistics Location].[Name].
- Condition C-GENERAL-002 has been corrected to refer to "Ship Call ID" instead of "ID".

VIS

- DE-035-02 (Person family name) has been made mandatory as follow-up to open issue 130.

WAR

- Rule R-GENERAL-016 has been removed from DE-069-06 (Actual waste delivery date and time, to) because not relevant for this data element.

WAS

- Cardinality of DE-069-10 (Waste collection ship side, coded) has been corrected from 0..n to 0..1.

Other changes

- The names of classes and attributes (column "MMT base") have been aligned to the original business names defined in the MMT Reference Data Model version D.24A. They aim at providing a description of the MMT-based data models using the actual naming from the standard.
- The following rules, conditions and guidelines have been removed because not used in any formality: R-GENERAL-005, R-GENERAL-034, R-GENERAL-047, R-HZA-009, R-MFX-003, R-WAR-001, R-WAS-001, C-BWA-001, C-CAR-006, C-EXS-009, C-EXS-018, C-EXS-022, C-EXS-024, C-GENERAL-003, C-GENERAL-004, C-SEC-003, C-WAS-002, G-GENERAL-008, G-GENERAL-009, G-GENERAL-010, G-GENERAL-011, G-MAI-003, G-MAI-004, G-MFX-001, G-MDH-001, G-PXA-002, G-REN-001
- An overall review of rules, conditions and guidelines have been performed to add missing references to attributes and classes, and to align them to the latest names of attributes and classes.
- As follow up to DMR 352, the sub-attribute [Language Identifier] has been activated and made optional for all the data elements that are given the business rule BR-019 in the attached EMSWe data set.
- Mappings of attributes with Member States have been updated when requested by them. The descriptions of changes above don't reflect such requests.

XSD

- DateTime and Date elements have been defined as basic XSD types in QDTs for all formalities. Rules R-GENERAL-001 and R-GENERAL-002 have been simplified accordingly.

Record of changes in EMSWe MIG v2.0.0 compared with v1.0.0

- All data types used in XSDs have been reviewed to be in line with MIG. Data type “Integer” has been added to QDTs and mapped to the appropriate elements in MIG. Data type definitions have been checked not to use circular references.
- Documentation tags have been reviewed to remove unnecessary and duplicated references.
- String “ValidationVersion” has been removed from the type definitions of all formality envelopes.
- MAI, formality bodies and envelopes have been added namespaces.
- Formality bodies have been made optional in the XSD Envelopes to allow withdrawing a formality. Compliance to MIG-P29 has been implemented as a Schematron rule.
- All code list enumerations in XSDs have been checked to be in line with the list of codes to be checked by XSD (as indicated in Section 3 of the document “EMSWe Message Implementation Guide - XML Schema files (XSD) and XML example files”, published with the schema files).