Shipment Data Advice VDA4921 for Magna Steyr Graz

N10081-7

Standard

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Purpose

This standard describes the specifications of Magna Steyr Graz for carriers concerning the usage of → VDA4921 for the Shipment Data Advice.

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1 Message Definition

1.1 Principles

The Shipment Data Advice intends to:

- inform the buyer (MSG) about shipping details, like carrier information, expetected time of arrival and contained delivery notes / bill of ladings in the transports
- ensure the syncronization of logistic inbound flow between supplier, carrier and buyer (MSG)

1.2 References

The Shipment Data Advice is based on:

- The message structure as defined by VDA for the Shipment Data Advice → VDA4921.
- The message structure defined by MSG and described in this document follows as close as possible the structure of VDA messages.
- The agreement between the Trading Partner on the data elements to be used, their unique definition, their representation and their values (coded or clear form) as identified in this documents.

1.3 Field of Application

The following definition of a Shipment Data Advice in VDA format is applicable for the interchange of Shipment Data Advice issued by MSG for material deliveries to one or more MSG operations.

2 Message Description

Following pages contain a full description of the → VDA4921 message as implemented by MSG. The VDA segment description is complemented with remarks pertaining to the specific requirements for an interchange with MSG. Those remarks contain specific code values used, additional information on the values shown in a specific field, etc. The aim of those remarks is to simplify the implementation of the message.

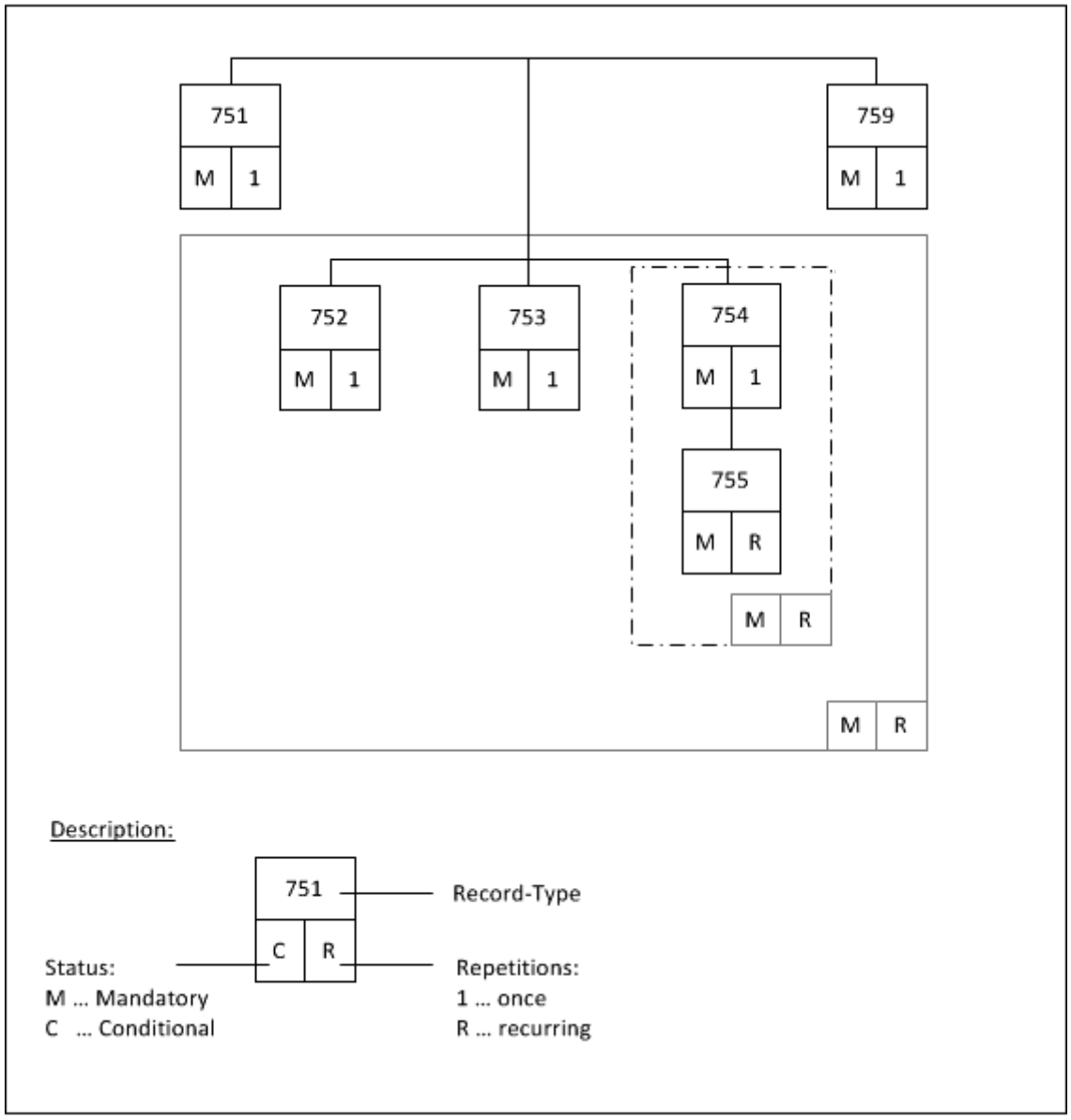
2.1 Segment Tables

The following table shows all record-types as defined in the → VDA4921 message. **Shaded areas identify the record-types that are not used in the definition of → VDA4921 used by MSG**. This table should be read in conjunction with the branching diagram.

Record-Type	Content	Status	Occurence
751	Interchange Header	M	1
752	Transport-Vehicle-Identification	M	R
753	Transport-Information	M	R
754	Carrier Supplementation	M	R
755	Despatch-Note List	M	R
759	Interchange Trailer	M	1

2.2 Branching Diagram

The branching diagram shows the structure of the message. It is a combination of record-types that are organized in a certain hierarchical order. Only segments of the message that are used by MSG are shown in the following Branching Diagram.



2.3 Message Structure

The message structure illustrates how the segments can be repeated in a → VDA4921 transmission to accommodate the requirements defined by MSG.

751				Interchange Header
	752			Transport-Vehicle-Identification
	753			Transport Information
		754		Carrier Supplementation
			755	Despatch-Note List
			755	Despatch-Note List
		754		Carrier Supplementation
			755	Despatch-Note List
		754		Carrier Supplementation
			755	Despatch-Note List
			755	Despatch-Note List
	753			Transport Information
		754		Carrier Supplementation
			755	Despatch-Note List
		…		< further elements >
			…	< further elements >
759				Interchange Trailer

3 Record-Type Description

The appearance resp. layout of the following record-type-description is based and leaned on the VDA-description to simplify the reading of this document.

Following remarks are valid for all of the further descriped record-types:

- Fields not used by MSG are grey shaded.
- Numeric-fields have to be right-aligned with preceding zeros. These fields do not contain decimals unless otherwise specified in the field-explanation.
- Alphanumeric-fields have to be left-aligned unless otherwise specified in the field-explanation.
- Column “VDA M/C” shows the information if a data-field is mandatory (“M”) or conditional (“C”) defined in the → VDA4921 description.
- Column “MSG M/C” shows the information if a data-field is mandatory (“M”) or conditional (“C”) for the usage with MSG. If a field is handled different to the VDA-standard the content is shown bold.
- Column “Feature” defines possible content of a data-field.

3.1 Record Type 751

Record Types	No.	Element	VDA M/C	MSG M/C	Length	Type	from- to	Feature	Description
751	01	Record Type	M	M	3	N	1-3	751	
	02	Version	M	M	2	N	4-5	01	
	03	Data Receiver Number	M	M	9	A	6-14		Identification-number which has to be arranged between the transmitter and the receiver of the data. All data of a record structure containing the field Data Receiver Number are subject to data protection.
	04	Data Transmitter Number	M	M	9	A	15-23		Identification-number which has to be arranged between the receiver and the –transmitter of the data. All data of a record structure containing the field Data Receiver Number are subject to data protection.
	05	Transmission Number Old	M	M	5	N	24-28		See “Transmission-Number-New”. At the first transfer, Transmission-Number-Old = Transmission-Number-New; Description as in Pos. 06
	06	Transmission Number New	M	M	5	N	29-33		The data-creator assigns a transmission-number to each application-type (e.g.: call-off, dispatch-advice,…). It is not allowed to use the entry “00000”. Data-creator and -receiver keep this number for each application-type up to the next transfer of this special field. As the data-creator states the transmission-number of the preceding interchange within this special field in addition to the Transfer-Number-New, the receiver can check the completeness of the transmissions per application-type. Therefore, no uninterrupted ascending order is necessary.
	07	Transfer Date	M	M	6	N	34-39		Format: YYMMDD.
	08	Empty	M	M	89	A	40-128	Blanks	

3.2 Record-Type 752

Record Types	No.	Element	VDA M/C	MSG M/C	Length	Type	from- to	Feature	Description
752	01	Record Type	M	M	3	N	1-3	752	
	02	Version	M	M	2	N	4-5	01	
	03	Code Means of Transportation	M	M	2	N	6-7	01, 08, 10 ,11	Coded format: 01 = motor vehicle 08 = wagon 10 = flight w / w/o Air Waybill No. 11 = ship
	04	Number Means of Transportation	M	M	25	A	8-32		Specification or number for the selected Number Means Of Transportation. For example in the case of Code Means Of Transportation = 01 transportation by motor vehicle (container or swap body), The following needs to be completed; 1. Licence plate of the vehicle and trailer 2. Licence plate of the Semitrailer. 3. Licence plate of the vehicle & swap number. 4. Licence plate of vehicle and container number. Between each of these numbers enter 1 blank. Licence & Container numbers must be completed full numerical and without blanks.
	05	Cargo Manifest Number	M	M	17	A	33-49		Identification number assigned to a cargo-manifest by the forwarder. The cargo-manifest is a summary of the individual shipments gathered for one receiver of goods. Left-justified entry, print format.
	06	Cargo Manifest Date	M	M	6	N	50-55		Format: YYMMDD
	07	Cargo Manifest Correction Code	M	M	1	N	56	Blank, 1, 2, L	Coded format: Blank = no modification 1 = 1st modification 2 = 2nd modification L = delete ("Löschen")
	08	Special Tour No.	C	C	8	A	57-64		Order-number assigned by MSG to identify a special tour with freight-accounting.
	09	Volumetric Capacity Shipment	C	C	6	N	65-70		Stated in cubic meter, calculated from the largest length, width & height.
	10	Loading Meters Shipment	C	C	12	N	71-82		Stated in Meters (Loading meters).
	11	Empty	M	M	46	A	83-128		Blanks

3.3 Record Type 753

Record Types	No.	Element	VDA M/C	MSG M/C	Length	Type	from- to	Feature	Description
753	01	Record Type	M	M	3	N	1-3	753	
	02	Version	M	M	2	N	4-5	01	
	03	Transport Unit Date	C	C	6	N	6-11		Date on which the transport-unit is on the stated place. Format: YYMMDD
	04	Transport Unit Time	C	C	4	A	12-15		Time on which the transport-unit is on the stated place. Coded format: HHMM
	05	Transport Unit Location	C	C	35	A	16-50		Location where the transport-unit is.
	06	Arrival Date-Plan	C	**M**	6	N	51-56		Date calculated by the supplier on which the delivery is estimated to arrive at the customer. Format: YYMMDD.
	07	Arrival Time-Plan	C	**M**	4	N	57-60		Time calculated by the supplier on which the delivery is estimated to arrive at the customer. Format: HHMM
	08	Information Correction Code	M	M	1	N	61	Blanks, 1,...9	Coded format: Blank = no modification 1 = 1st modification 2 = 2nd modification, and so on.
	09	Text	C	C	67	A	62-128		Free text

3.4 Record Type 754

Record Types	No.	Element	VDA M/C	MSG M/C	Length	Type	from- to	Feature	Description
754	01	Record Type	M	M	3	N	1-3	754	
	02	Version	M	M	2	N	4-5	01	
	03	Supplier Number	M	M	9	A	6-14		Identification-number assigned to a supplier (contractor) by the customer. All data of a record structure containing the field Supplier Number are subject to data protection.
	04	Shipping Load Reference Number	M	M	8	N	15-22		This number must also appear on the "Forwarding Instruction VDA 4922" in the field 8 and has to be identical with the supplier's SLB Number.
	05	Forwarding Instruction Number	C	**M**	17	A	23-39		Identification-number assigned by the forwarder to an order. Left-justified entry.
	06	Forwarder Registration Date	C	**M**	6	N	40-45		Will be assigned by the forwarder of the shipment. Format: YYMMDD.
	07	Shipment Code	C	C	1	A	46	Blank, T, R	Coded format: Blank = original scope of shipment T = partial delivery ("Teillieferung") R = residual delivery ("Restlieferung")
	08	Shipment Weight, Gross	C	**M**	7	N	47-53		Weight of goods, including packaging and / or loading aids but excluding the carrier's containers. (stated from Freight Bill, similar to TDED 6292); unit of quantity: kg
	09	Shipment Weight, Net	C	C	7	N	54-60		Weight of goods, including packaging and / or loading aids but excluding the carrier's containers. (stated from Freight Bill, similar to TDED 6292); unit of quantity: kg.
	10	Number Packing Units	C	**M**	4	N	61-64		Total of all the packing units contained in the shipment and identifiable for the carrier/forwarder without considering the different types of packing units.
	11	Point of Unloading	C	C	5	A	65-69		The unloading-point at the plant of MSG in coded format, where the goods have to be unloaded. ed customer format.
	12	Supplier Plant	M	M	3	A	70-72		Plant of the supplier from which the goods are send. Coded supplier format.
	13	Customer Plant	C	C	3	A	73-75		Plant of the customer to which the goods have to be delivered. Coded customer format.
	14	Empty	M	M	53	A	76-128	Blanks	

3.5 Record Type 755

Record Types	No.	Element	VDA M/C	MSG M/C	Length	Type	from- to	Feature	Description
755	01	Record Type	M	M	3	N	1-3	755	
	02	Version	M	M	2	N	4-5	01	
	03	Loading Delivery Note Table	M	M	-	-	6-125		
	04	Delivery Note Number	M	M	8	A	6-13		Identification-number assigned to a Delivery Note by the supplier. **Right-justified entry with leading zeros, ascending order.**
	05	Delivery Note Number	C	C	8	A	14-21		see Pos. 04
	06	Delivery Note Number	C	C	8	A	22-29		see Pos. 04
	07	Delivery Note Number	C	C	8	A	30-37		see Pos. 04
	08	Delivery Note Number	C	C	8	A	38-45		see Pos. 04
	09	Delivery Note Number	C	C	8	A	46-53		see Pos. 04
	10	Delivery Note Number	C	C	8	A	54-61		see Pos. 04
	11	Delivery Note Number	C	C	8	A	62-69		see Pos. 04
	12	Delivery Note Number	C	C	8	A	70-77		see Pos. 04
	13	Delivery Note Number	C	C	8	A	78-85		see Pos. 04
	14	Delivery Note Number	C	C	8	A	86-93		see Pos. 04
	15	Delivery Note Number	C	C	8	A	94-101		see Pos. 04
	16	Delivery Note Number	C	C	8	A	102-109		see Pos. 04
	17	Delivery Note Number	C	C	8	A	110-117		see Pos. 04
	18	Delivery Note Number	C	C	8	A	118-125		see Pos. 04
	19	Empty	C	C	3	A	126-128	Blanks	

3.6 Record Type 759

Record Types	No.	Element	VDA M/C	MSG M/C	Length	Type	from- to	Feature	Description
759	01	Record Type	M	M	3	N	1-3	759	
	02	Version	M	M	2	N	4-5	01	
	03	Counter Record Type 751	M	M	7	N	6-12		Number transferred Record Type 751
	04	Counter Record Type 752	M	M	7	N	13-19		Number transferred Record Type 752
	05	Counter Record Type 753	M	M	7	N	20-26		Number transferred Record Type 753
	06	Counter Record Type 754	M	M	7	N	27-33		Number transferred Record Type 754
	07	Counter Record Type 755	M	M	7	N	34-40		Number transferred Record Type 755
	08	Counter Record Type 759	M	M	7	N	41-47		Number transferred Record Type 759
	09	Empty	M	M	81	A	48-128	Blanks	

4 Example of Message

Following examples are only illustrative and does not necessarily reflect an existing situation. It **may never** be used as a basis for programming or implementing this message.

For ease of reading the message-examples following modifications have been done on the further shown examples:

- A line-break has been inserted after each 128 characters
- Each Blank has been replaced by a full-stop (“.”)

These modifications will not be the case if the message is normally transmitted.

Example:

```
75101000000...386440...1483514836150513
75201014.J.2.60.16..............126033THO........150513.CZX412/2000001000000000001
753011505130800TAH.....................................1505131730
75401126760...2414053620747578.........150513.0000001.......0001.....002
7550100000000240435630000000024043564
75401126760...2414053520747578.........150513.0000001.......0001.....002
755010000000024043559000000002404356000000000240435610000000024043562
75401126760...2414053420747578.........150513.0000001.......0001.....002
7550100000000240435570000000024043558
75901000000100000010000001000000300000030000001
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5 Revisions since previous version

Complete revision

6 List of abbreviations

Abbreviation	Description
MSG	Magna Steyr Graz
ISO	International Organization for Standardization