Olympic Data Feed

ODF Modern Pentathlon Data Dictionary

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Technology Department
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1 Introduction

1.1 This document

This document includes the ODF Modern Pentathlon Data Dictionary. This Data Dictionary refines the messages described in the ODF Central Messages Interface Document and ODF Sport Messages Interface Document specifically for Modern Pentathlon, as well as defines the codes used in these messages.

1.2 Objective

The objective of this document is to provide a complete and formal definition of the ODF Modern Pentathlon Data Dictionary, with the intention that the information message producer and the message consumer can successfully interchange the information as the Modern Pentathlon competition is run.

1.3 Main Audience

The main audience of this document is the IOC as the ODF promoter, ODF users such as the World News Press Agencies, Rights Holding Broadcasters and International Sports Federations.

1.4 Glossary

The following abbreviations are used in this document

- **IF –** International Federation

- **IOC –** International Olympic Committee

- **MP –** Modern Pentathlon

- **NOC –** National Olympic Committee

- **ODF –** Olympic Data Feed

- **ODF-RT –** Olympic Data Feed Real Time

- **RSC –** Results System Codes

- **UIPM –** "Union Internationale de Pentathlon Moderne"

- **WNPA –** World News Press Agencies

1.5 Related Documents

Document Reference	Document Title	Document Description
ODF/INT001	ODF Message Transmission	This document describes the technical standards to be used

Document Reference	Document Title	Document Description
	Document	to transfer ODF messages between the message generators and the final ODF users
ODF/COD001	ODF Common Codes Document	This document describes the ODF codes used across the rest of the ODF documents
ODF/INT003	ODF Central Messages Interface Document	This document describes the ODF central messages
ODF/INT004	ODF Sport Messages Interface Document	This document describes the ODF sport messages, generated independently by each sport

2 Overall Perspective

2.1 Objective

The objective of this document is to focus on the formal definition of the ODF Modern Pentathlon Data Dictionary.

2.2 End to End data flow

The general rules as described in the documents referenced in the section 1.5 will have to be considered for a complete and formal definition. It is especially important the ODF Central Messages Interface Document and ODF Sport Messages Interface Document, since this ODF Modern Pentathlon Data Dictionary is a particularization of those documents.

In the following sections, for each ODF sport message it will be explained in further detail those elements, attributes, codes, ODF header, the trigger and frequency for each message generation, as well as the sort of the message that are particular in the case of Modern Pentathlon.

Any ODF Modern Pentathlon message should follow all the previous definitions in order to be considered as an ODF compliant message.

3 Codes

Several codes are used in the definition of the messages in this document. Any code will be referenced the following way:

CC @CodeEntity

CodeEntity is the name of the entity that identifies a particular set of codes.

The following table describes the codes entities used in document sorted by name, indicating whether the set of values can be found in the ODF Common Codes Document, or listed in the table itself, otherwise.

Code Entity	Code Entity Set of Values	
CC @Country	Defined in ODF Common Codes Document See entity Country • The entity's attribute to be used is Code	
CC @Discipline	Defined in ODF Common Codes Document See entity Discipline • The entity's attribute to be used is Discipline • However, valid disciplines will be those which Non-Sport attribute='N'	
CC @DisciplineGender	Defined in ODF Common Codes Document See entity Discipline Gender • The entity's attribute to be used is Gender • It will be related to Discipline	
CC @Event	Defined in ODF Common Codes Document See entity Event • The entity's attribute to be used is Event • It will be related to Discipline and Gender	
CC @HorseBreed	Defined in ODF Common Codes Document See entity Horse Breed • The entity's attribute to be used is Horse Breed Code	
CC @HorseColour	Defined in ODF Common Codes Document See entity Horse Colour • The entity's attribute to be used is Horse Colour Code	
CC @HorseSex	Defined in ODF Common Codes Document See entity Horse Sex • The entity's attribute to be used is Horse Sex Code	
CC @IRM (The codes order provided is according to the sport rules. In case of several IRM of the same code, sort by bib numbers in ascending order).	**Code**	**Description**
	DNS	Did not start
	DNF	Did not finish
	DSQ	Disqualified
	EL	Eliminated

Code Entity	Code Entity Set of Values	
CC @Organisation	Defined in ODF Common Codes Document See entity Organization • The entity's attribute to be used is Code	
CC @ObsPnl	**Code**	**Description**
	F	Fall
	K	Knock down
	R	Refusal
	RK	Refusal with Knock down
CC @Phase	Defined in ODF Common Codes Document See entity Phase • The entity's attribute to be used is Phase • It will be related to Discipline, Gender and Event	
CC @Piste	**Code**	**Description**
	A	Piste A
	B	Piste B
	C	Piste C
	D	Piste D
	E	Piste E
	F	Piste F
	G	Piste G
	H	Piste H
	I	Piste I
	R	Rest
CC @RecordType	Defined in ODF Common Codes Document See entity Record Type • The entity's attribute to be used is Type • It will be related to Discipline	
CC @ResultType	**Code**	**Description**
	POINTS	Points *(used also in records)*
	IRM	Invalid result mark (without points for DSQ)
	IRM_POINTS	For both, points and invalid result mark
	TIME	Time *(only used in records and Jumping Test results)*
	VIC_DEF	Victories and Defeats *(only used in records)*

4 Modern Pentathlon Data Extension

4.1 General Issues

The following sections extend and complete the information to be sent in each of the messages for this particular discipline, if some particularization is needed. If there are special considerations for any of the message types that have to be sent for this discipline, then they should be considered in the following sections. If nothing is mentioned for a particular message type, then the general rules, as defined either in the ODF Central Messages Interface Document or ODF Sport Messages Interface Document, should be respected for the messages described in the chapter 4 of this document.

4.1.1 ODF header

Regarding to the ODF header values, you should also follow the description in the ODF Central Messages Interface Document or ODF Sport Messages Interface Document. However, the following attributes could be refined for each message type regarding to the header values:

- ODF Header: DocumentCode.

4.1.2 Attributes Definition

The attributes types are explained in the section "5.1.2 Attributes Definition" of the ODF Central Messages Interface Document. Please, refer to that document for further information

5 Point in Time

5.1 Point in Time Applicable Messages

The following table is a full list of all ODF messages and describes the list of messages used in Modern Pentathlon, as well as the category of each message, which identifies if the message structure definition can be found either in the ODF Sport Messages Interface Document or ODF Central Messages Interface Document.

- The column "Message type" indicates the DocumentType that identifies a message

- The column "Message name" is the message name identified by the message type

- The column "Message documented" indicates the document where you should go to have the general definition for a particular Message type

- The column "Message used in this sport" indicates whether a message is used in particular for this sport or not. If it is not ticked (X), then the message should not be used for this sport.

- The column "Message extended in this document" indicates whether a particular message has extended definition in regards to those that are general for all sports. Any message ticked (X) in this column should also be ticked in the "Message used in this sport column". If one message has extended definition, it should be considered both, the extensions as well as the general rules for one message that is used in the case of the sport. However, if one particular message is not extended, then it should follow the general definition rules.

Message Type	Message name	Message documented	Message used in this sport	Message extended in this document
DT_SCHEDULE	Competition schedule	Central	X	
DT_SCHEDULE_UPDATE	Competition schedule update	Central	X	
DT_PARTIC	List of participants by discipline	Central	X	X
DT_PARTIC_UPDATE	List of participants by discipline update	Central	X	X
DT_PARTIC_TEAMS	List of teams	Central		
DT_PARTIC_TEAMS_UPDATE	List of teams update	Central		
DT_PARTIC_HORSES	List of equestrian horses	Central		
DT_PARTIC_HORSES_UPDATE	List of horses update	Central	X	X
DT_MEDALS	Medal standings	Central	Global	
DT_MEDALLISTS_DAY	Medallists of the day	Central	Global	
DT_HISTORIC_RECORD	Historical records	Central	X	X
DT_HIST_REC_UPDATE	Historical records update	Central	X	X
DT_GLOBAL_GM	Global good morning	Central	Global	
DT_GLOBAL_GN	Global good night	Central	Global	
DT_START_LIST	Start List	Sports	X	X

Message Type	Message name	Message documented	Message used in this sport	Message extended in this document
DT_RESULT	Event Unit Results	Sports	X	X
DT_PHASE_RESULT	Phase Results	Sports		
DT_CUMULATIVE_RESULT	Cumulative Results	Sports	X	X
DT_POOL_STANDING	Pool Standings of group in a team competition	Sports		
DT_RANKING	Event Final ranking	Sports	X	X
DT_STATS	Statistics table	Sports		
DT_MEDALLISTS	Medallists of one event	Sports	X	X
DT_MEDALLISTS_DISCIPLINE	Medallists by discipline	Sports	X	
DT_RECORD	Records	Sports	X	X
DT_COMMUNICATION	Official Communication	Sports	X	
DT_BRACKETS	Brackets	Sports		
DT_GM	Discipline/venue good morning	Sports	X	X
DT_GN	Discipline/venue good night	Sports	X	X
DT_FED_RANKING	Federation Ranking	Sports		
DT_CONFIG	Discipline configuration	Sports	X	X
DT_WEATHER	Event Unit Weather conditions	Sports		
DT_SERIAL	List of Current PiT Serial	Sports	X	

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5.1.1 List of participants by discipline / List of participants by discipline update

5.1.1.1 Description

This message is the List of participants (current athletes, officials and historical athletes) by discipline (and the update) as described in the ODF Central Messages Interface Document.

5.1.1.2 Header Values

The definition in the ODF Central Messages Interface Document is valid.

5.1.1.3 Trigger and Frequency

Please, follow the general definition in the ODF Central Messages Interface Document, taking also into account the following:

- (With bib numbers): at latest one (1) hour before the Technical Meeting

5.1.1.4 Message Structure

The optional elements defined for this message in the ODF Central Messages Interface Document that should be included in the case of Modern Pentathlon are:

- Participant /Discipline /RegisteredEvent /EventEntry

In the next section (message values), there is a more detailed definition.

5.1.1.5 Message Values

The following table lists the "List of participants by discipline / update" optional attributes (defined in the ODF Central Messages Interface Document) that are used in the case of Modern Pentathlon, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Participant	BirthDate	O	YYYYMMDD	Date of birth. It will be included if this information is available.
Participant /Discipline	International FederationId	O	S(16)	UIPM Licence ID (competitor's federation number for the discipline). It will be included.
Participant /Discipline /RegisteredEvent	Bib	O	S(4)	Athlete's Bib number. It will be included if this information is available (only will be sent in the update message).

The following table describes in more detail the Participant /Discipline /RegisteredEvent /EventEntry element in the case of Modern Pentathlon.

Element: Participant /Discipline /RegisteredEvent /EventEntry				
Type	Code	Pos	Value	Description
E_ENTRY	E_RANK		N(3) 999	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: World Ranking
	E_SUBSTITUTE		S(1)	For @Type: Send proposed type

Element: Participant /Discipline /RegisteredEvent /EventEntry

Type	Code	Pos	Value	Description
				For @Code: Send proposed code
				For @Pos Do not send anything
				For @Value: Send "Y" if the Athlete is a substitute, or "N" if it is not more.
	E_SWIM_BEST		MM:SS.tt 99:90.00	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Swimming Best Time (in last 12 months). Use Time format: MM is minutes SS is seconds tt is hundredths of second

For the table above, we have the following additional/summary information:

Type /Code	Description	Expected
E_ENTRY /E_RANK	Pentathlon World Ranking	Always, as soon as this information is known and this athlete has ranking (this information can be sent in both messages)
E_ENTRY /E_SUBSTITUTE	Flag that indicates the competitor is a substitute.	As soon as this information is known (this information can be sent in both messages)
E_ENTRY /E_SWIM_BEST	Swimming Best Time (in last 12 months)	Always, as soon as this information is known (it can be sent in both messages)

5.1.1.6 Message sort

Please, follow the general definition.

5.1.2 List of horses update

5.1.2.1 Description

This message is the List of horses update as described in the ODF Central Messages Interface Document.

5.1.2.2 Header Values

The definition in the ODF Central Messages Interface Document is valid.

5.1.2.3 Trigger and Frequency

Please, follow the general definition in the ODF Central Messages Interface Document, taking also into account the following:

- Before the horse jumping test

- One (1) hour after completion of the horse jumping test

- One (1) hour before the Technical Meeting

- After the first event, when is known the discipline gender to which the horse is assigned, as well as for changes that might have in reserve horses

5.1.2.4 Message Structure

The optional elements defined for this message in the ODF Central Messages Interface Document that should be included in the case of Modern Pentathlon are:

- Horse /Entry

In the next section (message values), there is a more detailed definition.

5.1.2.5 Message Values

The following table lists the "List of horses update" optional attributes (defined in the ODF Central Messages Interface Document) that are used in the case of Modern Pentathlon, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Horse	Code	M	S(20) with no leading zeroes	Horse's ID It will be included.
	Sex	O	CC @HorseSex	Horse's Sex. It will be included when this information is available.
	YearBirth	O	N(4) 9999	Horse's year of birth. It will be included when this information is available.
	ColourCode	O	CC @HorseColour	Horse's colour code. It will be included when this information is available.
	BreedCode	O	CC @HorseBreed	Horse's breed code. It will be included if the information is available.
	Owner	O	S(35)	Name of the horse owner. It will be included when this information is available.

The following table describes in more detail the Horse /Entry element in the case of Modern Pentathlon.

Element: Horse /Entry				
Type	**Code**	**Pos**	**Value**	**Description**
E_ENTRY	E_HORSE_NO		N(4) 9990	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Horse Number
	E_DESC		S(1000)	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Horse's description. Example: "*6 year old dark brown gelding. Very big stride. Very sensitive ride*", "*Lean jumper and very willing*", …
	E_SPURS		S(1) (Y,N)	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Spurs indicator ("Y" or "N")
	E_WHIP		S(1) (Y,N)	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Whip indicator ("Y" or "N")
	E_MARTINGALE		S(1) (Y,N)	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Martingale indicator ("Y" or "N")
	E_MP_GENDER	N(1)	CC @DisciplineGender	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Order number of the event (e.g.: 1 for "*1st event -men-*" and 2 for "*2nd event -women-*").
				For @Value: Events to which the selected horse is assigned (a

Element: Horse /Entry				
Type	Code	Pos	Value	Description
				horse can participate to both events).
	E_RESERVE	N(2)	S(1) (Y,N)	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Order number of the reserve horse (e.g.: 1 for "1st reserve", etc) Send 0 when it is not a reserve horse anymore.
				For @Value: Send "Y" if the horse is a Reserve, or "N" if it is not a reserve anymore.
	E_SELECTED		S(1) (Y,N)	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Send "Y" if the horse is a selected horse (as a competition or reserve), or "N" if it is changed and is not a selected one anymore.

For the table above, we have the following additional/summary information:

Type /Code	Description	Expected
E_ENTRY /E_HORSE_NO	Horse Number	Always, as soon as this information is known.
E_ENTRY /E_DESC	Horse's description	As soon as this information is known and if the horse has it.
E_ENTRY /E_SPURS	Spurs indicator ("Y" or "N")	Always, as soon as this information is known.
E_ENTRY /E_WHIP	Whip indicator ("Y" or "N")	Always, as soon as this information is known.
E_ENTRY /E_MARTINGALE	Martingale indicator ("Y" or "N")	Always, as soon as this information is known.
E_ENTRY /E_MP_GENDER	Events of the discipline to which the selected horse is assigned (with the corresponding order number of the event, a horse can participate to both events).	As soon as this information is known (after the Jumping Test event) if it applies (for the selected horses).
E_ENTRY /E_RESERVE	Flag that indicates when the horse is a reserve (with the corresponding order number) or not anymore (when it is changed).	As soon as this information is known (after the Jumping Test event) if it applies.
E_ENTRY /E_SELECTED	Flag that indicates when the horse is selected as a competition horse or not anymore (when it is changed).	As soon as this information is known (after the Jumping Test event) if it applies.

5.1.2.6 Message sort

Please, follow the general definition.

5.1.3 Historical records / Historical records update

5.1.3.1 Description

This message is the Historical records (and the update) as described in the ODF Central Messages Interface Document.

5.1.3.2 Header Values

The definition in the ODF Central Messages Interface Document is valid.

5.1.3.3 Trigger and Frequency

The definition in the ODF Central Messages Interface Document is valid.

5.1.3.4 Message Structure

The optional elements defined for this message in the ODF Central Messages Interface Document that should be included in the case of Modern Pentathlon are:

- HistoricalRecords /Record /RecordType /Competitor /Composition /Athlete /RecordData

In the next section (message values), there is a more detailed definition.

5.1.3.5 Message Values

The following table lists the "Historical records / update" optional attributes (defined in the ODF Central Messages Interface Document) that are used in the case of Modern Pentathlon, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
HistoricalRecords /Record /RecordType /RecordData	ResultType	M	CC @ResultType	"POINTS", "TIME", "VIC_DEF" Indicate that the result type for the record is points, time, or the number of victories/defeats (according to the result related to the record (code and type). (see codes section)
	Result	M	N(4) 9990 Or MM:SS.tt 99:90.00 Or S(7) "nnV-nnD"	The result of the competitor for the record, according to the expected result (@ResultType) in this record (code and type): -For "POINTS" (in "MP Overall" -for World Best): numeric with a maximum of 4 digits -For "TIME" (in "Swimming" discipline -for World and Olympic records-, and, in "Combined" discipline -for Best Time-). Use Time format: MM is minutes SS is seconds tt is hundredths of second -For "VIC_DEF" (in "Fencing" discipline -for World Best-): string with the cumulative number of victories plus "V" - the cumulative number of defeats plus "D" (e.g.: "21V-10D")
HistoricalRecords /Record /RecordType /Competitor /Composition /Athlete /RecordData	Country	M	CC @Country	Country code where the record was broken.
	Place	M	S(40)	The place (town or city) where the record was broken.
	Date	M	YYYYMMDD	The date where the record was broken.
	Event	O	S(40)	Text of the event name where the record was broken (e.g.: "2008 Olympic Games"). It will be sent if this information is available.

5.1.3.6 Message sort

Please, follow the general definition.

5.1.4 Start List

5.1.4.1 Description

This message is the Start List message as described in the ODF Sport Messages Interface Document.

5.1.4.2 Header Values

The DocumentCode attribute in the ODF header will be sent according to the ODF Common Codes document (header values sheet).

5.1.4.3 Trigger and Frequency

Please, follow the general definition, taking also into account the following:

For Fencing and Swimming discipline phases:

- Thirty (30) minutes after the end of the Technical Meeting and after approval

For Riding discipline phase:

- Three (3) minutes after the riding draw is approved

For Combined discipline phase:

- Ten (10) minutes after the riding results are approved

5.1.4.4 Message Structure

The optional elements defined for this message in the ODF Sport Messages Interface Document that should be included in the case of Modern Pentathlon are:

- PhaseInfos /PhasetInfo (for discipline phases of Fencing pairs, Swimming and Riding)

- PhaseInfos /PhaseInfo /Extensions (for discipline phases of Fencing pairs, Swimming and Riding)

- UnitInfos /UnitDateTime (following the general rules for this element)

- UnitInfos /UnitInfo (only for Fencing discipline)

- UnitInfos /UnitInfo /Extensions (only for Fencing discipline)

- Start /Competitor /Composition /Athlete /EventUnitEntry (for all discipline phases; in case of the Fencing pairs, its members' detailed information).

In the next section (message values), there is a more detailed definition.

5.1.4.5 Message Values

The following table lists the "Start List" optional attributes (defined in the ODF Sport Messages Interface Document) that are used in the case of Modern Pentathlon, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Start	StartOrder	M	N(4) Or (for Swimming and Riding disciplines phases): N(2)+N(2) (09+09)	Start order (the draw number of fencing's pair / swimming's lane per heat / the riding's start order per round / the combined start order/bib number) of the competitor in the start list, depending on the discipline phase: -For the Fencing phase: send the <u>Draw number</u> for pairs. -For the Swimming phase: send the <u>Heat Number + Lane Number</u> -For the Riding phase: send the <u>Round Number + Start Order</u> -For the Combined phase: send the <u>Start Order/Bib number</u> (sequential number starting by 1 according to the total number of competitors)
	SortOrder	M	Numeric	Same @StartOrder
Start /Competitor (just for pairs of Fencing discipline phase, the competitor is a -GROUP-) (for the rest of discipline phases, the competitor is an ATHLETE, follow the general sport rules)	Code	M	CC @Organisation Or "MIXn"	Organisation's ID when both components of the group (pair) have the same NOC. Otherwise, it will be the text "MIXn" (where "n" is a sequential number) to indicate it is a mixed group (pair) of NOCs.
	Type	M	G-Group	"G" for groups that are not a team's ID (as Fencing's pairs in Modern Pentathlon).
Start /Competitor /Composition /Athlete	Bib	M	S(4)	Athlete's bib number.

The following table describes in more detail the PhaseInfos /PhaseInfo element and its child element Extensions in the case of Modern Pentathlon (for discipline phases of Fencing pairs, Swimming and Riding).

Element: PhaseInfos /PhaseInfo (for disciplines of Fencing pairs, Swimming and Riding)					
Type	Code	Extension Code	Pos	Value	Description
PI_MP	MP_GROUP		N(2) 99		For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: The number that identifies each Group, from 1 to the total number of groups defined (according to the discipline phase, and will correspond to the defined value of MP_NUM_GROUPS in the "Discipline Configuration" message, for phases of Swimming and Riding). -For the Swimming phase: send the <u>Heat Number</u> (e.g.: from 1 to 4, for 36 competitors). -For the Riding phase: send the <u>Round Number</u> (e.g.: from 1 to 2, for 36 competitors).
					For @Value: Do not send anything
		MP_ATH_ID	N(2) 99	S(20) with no leading zeroes	For @Type: Send proposed code (as type)

Element: PhaseInfos /PhaseInfo (for disciplines of Fencing pairs, Swimming and Riding)

Type	Code	Extension Code	Pos	Value	Description
					For @Code: Send proposed extension code
					For @Pos: Sequential number to indicate the order of the different athletes who compete in this group. -For the Swimming phase: send the Lane Number (e.g.: from 1 to 9 per heat). -For the Riding phase: send a sequential number from 1 to the total number of competitors, as the Start Order (e.g. from 18 to 1 for round 1, and, from 19 to 36 for round 2, for 36 competitors if there are two rounds).
					For @Value: Athlete's ID (to identify an athlete) that competes in this group (Heat or Round, depending on the discipline phase).
	MP_FE_GROUP		N(2) 99	N(2) 90	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Sequential number to indicate the bouts between different fencing pairs in all rounds. There will be eighteen rounds and different bouts for each one (depending on the number of competitors and on pistes).
					For @Value: The number that identifies each Group (round), from 0 to the total number of groups defined (according to the discipline phase, and will correspond to the defined value of MP_NUM_GROUPS in the "Discipline Configuration" message for Fencing phase). -For the Fencing phase: send the Round Number (e.g.: from 0 to 17, for 36 competitors).
		MP_PISTE		CC @Piste	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos : Do not send anything
					For @Value: Piste identification (see codes section) (e.g.: A for "Piste A", B for "Piste B" …)
		MP_ID_1		CC @Organisation Or "MIXn"	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Code's ID for pair (to identify a group (pair), NOC or Mixed code, corresponding to the @Code competitor, @type="G") that competes in this bout as the First pair (in Fencing).

Element: PhaseInfos /PhaseInfo (for disciplines of Fencing pairs, Swimming and Riding)

Type	Code	Extension Code	Pos	Value	Description
		MP_ID_2		CC @Organisation	For @Type: Send proposed code (as type)
				Or	For @Code: Send proposed extension code
				"MIXn"	For @Pos: Do not send anything
				Or	For @Value: Code's ID for pair (to identify a group (pair), NOC or Mixed code, corresponding to the @Code competitor, @type="G") that competes in this bout as the Second pair (in Fencing). Send blank for second pair when it has just one pair at this bout.
				blank	

For the table above, we have the following additional/summary information:

Type /Code /Extension Code	Description	Expected
PI_MP /MP_GROUP /MP_ATH_ID	The defined groups (heats/rounds) according to the discipline phase, identifying the number of heat/round and the ID of the athletes who compete in each one.	Always, when this information is available (just for discipline phases of Swimming and Riding)
PI_MP /MP_FE_GROUP /MP_PISTE /MP_ID_1 /MP_ID_2	The defined groups (rounds) according to the Fencing discipline phase, identifying the number of round and each of the different bouts that take place (ID of the pairs who compete and the corresponding piste in each one).	Always, when this information is available (just for Fencing discipline phase)

The following table describes in more detail the UnitInfos /UnitInfo element and its child element Extensions in the case of Modern Pentathlon (only for Fencing discipline).

Element: UnitInfos /UnitInfo (only for Fencing discipline)

Type	Code	Extension Code	Pos	Value	Description
UI_MP	MP_FE_BOUT		N(3) 999		For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Bout's Number of each one of the different bouts of Fencing (per round and piste).
					For @Value: Do not send anything
		MP_ROUND		N(2) 90	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Round number for the bout in the Fencing discipline (e.g.: from 0 to 17, for 36 competitors)
		MP_PISTE		CC @Piste	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code

Element: UnitInfos /UnitInfo (only for Fencing discipline)

Type	Code	Extension Code	Pos	Value	Description
					For @Pos : Do not send anything
					For @Value: Piste identification for the bout in the Fencing discipline (see codes section) (e.g.: A for "Piste A", B for "Piste B" …)
		MP_ATH_ID1		S(20) with no leading zeroes	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Athlete's ID (to identify an athlete) that competes in this bout as a first competitor.
		MP_ATH_ID2		S(20) with no leading zeroes Or blank	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Athlete's ID (to identify an athlete) that competes in this bout as a second competitor. Send blank for second competitor when it has just one athlete at this bout.

For the table above, we have the following additional/summary information:

Type /Code /Extension Code	Description	Expected
UI_MP /MP_FE_BOUT /MP_ROUND /MP_PISTE /MP_ATH_ID1 /MP_ATH_ID2	The bouts in Fencing discipline (among each round and piste), identifying the bout number, the round number, the piste identification and the ID of the athletes who compete in each one.	Always, when this information is available (just for Fencing discipline phase)

The following table describes in more detail the Start /Competitor /Composition /Athlete /EventUnitEntry element in the case of Modern Pentathlon (for all discipline phases except Fencing).

Element: Start /Competitor /Composition /Athlete /EventUnitEntry (for all disciplines except Fencing)

Type	Code	Pos	Value	Description
EUE_MP	MP_SW_HEAT		N(2) 99	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Heat number in the Swimming discipline phase.
	MP_SW_LANE		N(2) 99	For @Type: Send proposed type

Element: Start /Competitor /Composition /Athlete /EventUnitEntry (for all disciplines except Fencing)				
Type	Code	Pos	Value	Description
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Lane number of the athlete in the Swimming discipline phase.
	MP_ROUND		N(2) 90	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Round number in the Riding discipline phase.
	MP_MNT_TIME		HH:MM 90:00	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Mounting Time for the athlete in the Riding discipline phase. Use Time format: MM is minutes SS is seconds tt is hundredths of second
	MP_START_TIME		HH:MM 90:00	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Start Time for the athlete in the Riding discipline phase. Use Time format: MM is minutes SS is seconds tt is hundredths of second
	MP_HORSE_ID		S(20) with no leading zeroes	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Horse's ID assigned to the athlete in Riding discipline phase.
	MP_HND_TIME		M:SS 0:00	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything

Element: Start /Competitor /Composition /Athlete /EventUnitEntry (for all disciplines except Fencing)				
Type	Code	Pos	Value	Description
				For @Value: Handicap Time for the athlete in the Combined discipline phase. Use Time format: M is minutes SS is seconds
	MP_IRM		CC @IRM	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos : Do not send anything
				For @Value: Send in case of invalid result mark (usually for DSQ) in a previous discipline that may affect the subsequent disciplines.

For the table above, we have the following additional/summary information:

Type /Code	Description	Expected
EUE_MP /MP_SW_HEAT	Athlete's competition Heat Number in the Swimming discipline.	Always, when this information is known (just for Swimming discipline phase).
EUE_MP /MP_SW_LANE	Athlete's Lane Number in the Swimming discipline.	Always, when this information is known (just for Swimming discipline phase).
EUE_MP /MP_ROUND	Athlete's competition Round Number in the Riding discipline.	Always, when this information is known (just for Riding discipline phase).
EUE_MP /MP_MNT_TIME	Mounting Time for the Athlete in the Riding discipline.	Always, when this information is known (just for Riding discipline phase).
EUE_MP /MP_START_TIME	Start Time for the Athlete in the Riding discipline.	Always, when this information is known (just for Riding discipline phase).
EUE_MP /MP_HORSE_ID	ID of the Horse assigned to the Athlete in the Riding discipline.	Always, when this information is known (just for Riding discipline phase).
EUE_MP /MP_HND_TIME	Handicap Time for the Athlete in the Combined discipline.	Always, when this information is known (just for Combined discipline phase).
EUE_MP /MP_IRM	Send in the case of DNS or other possible results before the race.	If applies

5.1.4.6   Message sort

Please, follow the general definition.

5.1.5 Event Unit Results

5.1.5.1 Description

This message is the Event Unit Results message as described in the ODF Sport Messages Interface Document.

5.1.5.2 Header Values

The DocumentCode attribute in the ODF header will be sent according to the ODF Common Codes document (header values sheet).

5.1.5.3 Trigger and Frequency

Please, follow the general definition, taking also into account the following:

For <u>Jumping Test</u> event:

- before the Technical Meeting

For <u>Fencing</u>, <u>Swimming</u>, <u>Riding</u> & <u>Combined</u> discipline phases:

- After each phase

Then proceed with UNOFFICIAL / OFFICIAL results, as expected.

5.1.5.4 Message Structure

The optional elements defined for this message in the ODF Sport Messages Interface Document that should be included in the case of Modern Pentathlon are:

- PhaseInfos /PhaseInfo (for discipline phases of Fencing and Riding)

- UnitInfos /UnitDateTime (following the general rules for this element)

- UnitInfos /UnitInfo (for Jumping Test event)

- Result /RecordIndicators /RecordIndicator (for disciplines phases of Fencing, Swimming and Combined)

- Result /Competitor /ExtendedResults /ExtendedResult (for Jumping Test event)

- Result /Competitor /ExtendedResults /ExtendedResult /Extensions (for Jumping Test event)

- Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult (for all discipline phases).

- Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult /Extensions (for all discipline phases)

5.1.5.5 Message Values

The following table lists the "Event Unit Results" optional and/or extended attributes (defined in the ODF Sport Messages Interface Document), as well as the attributes that have an extended definition.

The following table describes in more detail the Result element in the case of Modern Pentathlon.

Element	Attribute	M/O	Value	Comments
Result	Rank	O	Text	Rank of the competitor in the corresponding discipline phase. This attribute is optional because the competitor could get an invalid rank mark (in the case of DSQ in a discipline, it will be blank). For Fencing, it should be sent as soon as the competition starts.
	RankEqual	O	S(1) (Y)	Send 'Y' if the Rank is equalled.
	ResultType	M	CC @ResultType	Result type, either points or IRM with/out points for the corresponding discipline phase, or Time (for the Jumping Test) (see codes section)
	Result	O	N(4) 9990 Or SSS.tt 990.00 (just for Jumping Test event)	Result of the competitor in the particular discipline phase, i.e. Modern Pentathlon points achieved in the corresponding discipline phase. Send just in the case @ResultType is Points or IRM with points (see codes section). Or (for Jumping Test event): Time result achieved by the horse in the Jumping Test. Send just in the case @ResultType is TIME (see codes section). Use Time format: SSS is seconds tt is hundredths of second
	IRM	O	CC @IRM	Invalid Result Mark for the particular discipline phase, in case it is assigned. Send just in the case @ResultType is IRM or both IRM and points. (see codes section)
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular discipline phase, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank. For the Jumping Test event it is the Horse number.
Result /RecordIndicators /RecordIndicator	Order	M	Numeric	Deprecated: For London, Order is always "1" for records broken/equalled in this Event Unit.
	Code	M	CC @RecordCode	Code which describes the record broken by the discipline phase result value (for disciplines of Fencing, Swimming and Combined).
	RecordType	M	CC @RecordType	Code which specifies the level at which the record is broken.
Result /Competitor	Code	M	S(20) with no leading zeroes	Horse's ID (just for Jumping Test event), Competitor's ID
	Type	M	S(1) (H, A)	H for horse (just for Jumping Test event), A for athlete

The following table describes in more detail the PhaseInfos /PhaseInfo element in the case of Modern Pentathlon (for discipline phases of Fencing and Riding).

Element: PhaseInfos /PhaseInfo (for disciplines of Fencing and Riding)					
Type	Code	Extension Code	Pos	Value	Description
PI_MP	MP_AFTER_ROUND			N(2) 99	For @Type: Send proposed type
					For @Code: Send proposed code

Element: PhaseInfos /PhaseInfo (for disciplines of Fencing and Riding)

Type	Code	Extension Code	Pos	Value	Description
					For @Pos: Do not send anything
					For @Value: Result after this Round, it is the Number of the completed round.
	MP_ATH_SEQ		N(2) 99	S(20) with no leading zeroes	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos : Sequence Number associated to each athlete that competes in a bout of the Fencing discipline. It's a sequential number starting by 1 according to the total number of competitors.
					For @Value: Athlete's ID (to identify an athlete) that competes in a bout of the Fencing discipline.

For the table above, we have the following additional/summary information:

Type /Code /Extension Code	Description	Expected
PI_MP /MP_AFTER_ROUND	The number of the completed round, after which the result is in disciplines of Fencing and Riding.	Always, at the end of each round (except for the last one) in disciplines of Fencing and Riding
PI_MP /MP_ATH_SEQ	Each of the athletes who compete in the Fencing discipline with its sequence number associated.	Always, when this information is available (just for Fencing discipline)

The following table describes in more detail the UnitInfos /UnitInfo element in the case of Modern Pentathlon (only for Jumping Test event).

Element: UnitInfos /UnitInfo (for Jumping Test event)

Type	Code	Extension Code	Pos	Value	Description
UI_MP_EQ	MP_OBSTACLE		N(2)	S(2)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Obstacle number (the order in which to be jumped).
					For @Value: Obstacle identification (number or number+letter optionally, for double and triple obstacles), (e.g.: "1A", "1B", "2A", "2B", "2C", "3", "4"...).

For the table above, we have the following additional/summary information:

Type /Code /Extension Code	Description	Expected
UI_MP_EQ /MP_OBSTACLE	The identification and order of the obstacles in the Jumping Test.	When this information is available (just for Jumping Test event)

The following table describes in more detail the Result /Competitor /ExtendedResults /ExtendedResult element and its child element Extensions (only for Jumping Test event).

Element: Result /Competitor /ExtendedResults /ExtendedResult (for Jumping Test event)					
Type	Code	Extension Code	Pos	Value	Description
ER_MP_EQ	MP_JUMP_OBS		N(2) 99		For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Obstacle number (the order in which to be jumped).
					For @Value: Do not send anything
		MP_OBS_PNL	N(1) 9	CC @ObsPnl	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Sequential number to indicate the different penalties at this obstacle jump.
					For @Value: Obstacle penalties within the Jumping Test event. Send in the case the jump has a penalty at this obstacle. (see codes section) (e.g.: if it have 3 penalties at the obstacle number (order) 10: 1 – RK *"Refusal with knock down"*, 2 – R "Refusal", 3 – F "Fall")

For the table above, we have the following additional/summary information:

Type /Code /Extension Code	Description	Expected
ER_MP_EQ /MP_JUMP_OBS /MP_OBS_PNL	Jump penalty results at each obstacle.	Just for Jumping Test event (in case of obstacle penalties)

The following table describes in more detail the Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult element and its child element Extensions (for all discipline phases).

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
ER_MP_FE	MP_NUM_VIC			N(2) 90	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Cumulative number of victories (number of bouts won) that this competitor has within the Fencing

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					discipline.
	MP_NUM_DEF			N(2) 90	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Cumulative number of defeats (number of bouts lost) that this competitor has within the Fencing discipline.
	MP_NUM_PNL			N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Number of penalties within the Fencing discipline.
	MP_BOUTS		N(2) 99		For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Sequence Number to indicate the number of bouts in which the athlete competes in Fencing, from 1 to the total number of bouts for the athlete. The total number of bouts for the athlete is the number of athletes competing – 1. For example, if there are 36 athletes in the competition, each athlete has 35 bouts.
					For @Value: Do not send anything
		MP_BOUT_NUMBER		N(3) 999	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos : Do not send anything
					For @Value: Bout's Number of each one of the different bouts of Fencing where this athlete competes.
		MP_BOUT_RESULT		S(1) ("V","D",'N' or blank)	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Bout Result of each one of the different bouts for this athlete in the Fencing discipline.

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					Send "V" for Victory, "D" for Defeat and "N for Double defeat, or blank for no result (due to an IRM for example).
		MP_IRM		CC @IRM	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send in the case the result has an IRM (invalid result mark) at this bout, besides the result. (see codes section)
		MP_WINNER		S(1) (Y)	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Bout's winner. Send "Y" when this athlete is the winner at this bout (the fencer that has the victory of the bout result).
ER_MP_SW	MP_SPLIT		N(1) 9		For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: The number that identifies the split point, from 1 to the total number of splits result points.
					For @Value: Do not send anything
		MP_RANK		N(1) 9	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Cumulative rank at this split point.
		MP_ERANK		S(1) (Y)	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: It identifies if the cumulative rank at this split point has been equalled; send "Y" in this case.
		MP_TIME		MM:SS.tt 99:90.00	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					For @Pos: Do not send anything
					For @Value: Time result from the start of the race up to this split point. It is a cumulative result time for Swimming discipline. Use Time format: MM is minutes SS is seconds tt is hundredths of second
	MP_HEAT_RANK			N(1) 9	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Final rank achieved by the athlete in his/her SW heat.
	MP_HEAT_ERANK			S(1) (Y)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: It identifies if the final rank has been equalled; send "Y" in this case.
	MP_HEAT_SORT			N(1) 9	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Athlete's sort order in this SW heat.
	MP_F_TIME			MM:SS.tt 99:90.00	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Final time achieved in the Swimming discipline. Use Time format: MM is minutes SS is seconds tt is hundredths of second
	MP_NUM_PNL			N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					For @Value: Number of penalties within the Swimming discipline.
ER_MP_EQ	MP_TIME			SSS.tt 990.00	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Time result in the Riding discipline. Use Time format: SSS is seconds tt is hundredths of second
	MP_PNL_WARMUP			N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Number of Warm-up penalties within the Riding discipline.
	MP_PNL_TIME			N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Number of Time penalties within the Riding discipline.
	MP_PNL_OBS			N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Number of Obstacle penalties within the Riding discipline.
	MP_PNL_OTH			N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Number of Other penalties within the Riding discipline.
ER_MP_CO	MP_F_TIME			MM:SS.tt 99:90.00 Or	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos:

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
				+SS.tt +90.00	Do not send anything
					For @Value: Final Time result for the first place or difference with the first place (delta) in the Combined discipline (net time). Use Time format: MM is minutes SS is seconds tt is hundredths of second
	MP_NUM_PNL			N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Number of penalties within the Combined discipline.
	MP_RN_TIME			MM:SS.tt 99:90.00	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Total Running Time result in the Combined discipline. Use Time format: MM is minutes SS is seconds tt is hundredths of second
	MP_SH_TIME			SSS.tt 990.00	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Total Shooting Time result in the Combined discipline. Use Time format: SSS is seconds tt is hundredths of second
	MP_SH_STATION			N(2) 99	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Number of the Shooting Station in the Combined discipline.
	MP_SPLIT		N(1) 9		For @Type: Send proposed type
					For @Code:

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					Send proposed code
					For @Pos: The number that identifies the split point (shooting/running range), from 1 to the total number of splits result points.
					For @Value: Do not send anything
		MP_R_TIME		MM:SS.tt 99:90.00	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Running time at the running range of this split. Use Time format: MM is minutes SS is seconds tt is hundredths of second
		MP_CUM_R_TIME		MM:SS.tt 99:90.00 Or +SS.tt +90.00	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Cumulative split time (shooting and running time) for the first place or difference with the first place (delta) at each split point (raw time of race, it will be a time for the first one and an ascending delta for the rest). Use Time format: MM is minutes SS is seconds tt is hundredths of second
		MP_R_ORDER		N(2) 99	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Sort Order according to the Cumulative split time –shooting and running time- at the running range (MP_CUM_R_TIME) of this split.
		MP_V_SHOTS		N(1) 9	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value:

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					Number of valid shots at the shooting range of this split.
		MP_M_SHOTS		N(1) 9	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Number of missed shots at the shooting range of this split.
		MP_T_SHOTS		N(2) 99	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Number of total shots at the shooting range of this split.
		MP_S_TIME		SSS.tt 990.00	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Shooting time at the shooting range of this split. Use Time format: SSS is seconds tt is hundredths of second
		MP_CUM_S_TIME		MM:SS.tt 99:90.00 Or +SS.tt +90.00	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Cumulative split time (shooting and running time) or difference with the first place (delta) at the exit of the shooting range of this split (raw time of race, it will be a time for the first one and an ascending delta for the rest). Use Time format: MM is minutes SS is seconds tt is hundredths of second
		MP_S_ORDER		N(2) 99	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					For @Value: Sort Order according to the Cumulative split time -shooting and running time- at the shooting range (MP_CUM_S_TIME) of this split.
	MP_SHOT		N(1) 9		For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: The number that identifies the split point (shooting/running range), from 1 to the total number of splits result points (except for the last split, the finish, just running).
					For @Value: Do not send anything
		MP_STATUS	N(2) 99	S(1) (M,V)	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: The number that identifies the shot, from 1 to the total number of shots at the shooting range of this split.
					For @Value: Shot status at this shot of the split. Send "M" for Missed shot, or "V" for a valid one.
		MP_CUM_TIME	N(2) 99	SSS.tt 990.00	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: The number that identifies the shot, from 1 to the total number of shots at the shooting range of this split.
					For @Value: Cumulative shot time at this shot of the split. Use Time format: SSS is seconds tt is hundredths of second
		MP_TIME	N(2) 99	SS.tt 99.99	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: The number that identifies the shot, from 1 to the total number of shots at the shooting range of this split.
					For @Value: Shot time at this shot of the split. Use Time format: SS is seconds tt is hundredths of second

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
	MP_TOT_SHOTS				For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Do not send anything
		MP_VALID		N(2) 90	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Number of the total valid shots in the Combined discipline.
		MP_MISSED		N(2) 90	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Number of the total missed shots in the Combined discipline.
		MP_TOTAL		N(2) 90	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Number of the total shots in the Combined discipline.
		MP_AVG_VALID		SS.tt 99.99	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Average time of the valid shots in the Combined discipline Use Time format: SS is seconds tt is hundredths of second
		MP_AVG_MISSED		SS.tt 99.99	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Average time of the missed shots in

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					the Combined discipline. Use Time format: SS is seconds tt is hundredths of second
		MP_AVG_TOTAL		SS.tt 99.99	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Average time by total shots in the Combined discipline. Use Time format: SS is seconds tt is hundredths of second

For the table above, we have the following additional/summary information:

Type /Code /Extension Code	Description	Expected
ER_MP_FE /MP_NUM_VIC	Cumulative number of victories for the athlete in the Fencing discipline.	Just for Fencing discipline phase
ER_MP_FE /MP_NUM_DEF	Cumulative number of defeats for the athlete in the Fencing discipline.	Just for Fencing discipline phase
ER_MP_FE /MP_NUM_PNL	Number of penalties for the athlete in the Fencing discipline.	Just for Fencing discipline phase (in case of penalties)
ER_MP_FE /MP_BOUTS /MP_BOUT_NUMBER /MP_BOUT_RESULT /MP_IRM /MP_WINNER	Bouts' Results for the athlete, of each of the bouts in which this athlete competes against the rest of the competitors (identifying in each one the sequence number of the other athlete, the bout number and the corresponding result - indicating if it is the winner- for each one).	Just for Fencing discipline phase (after the last round, after the fencing results)
ER_MP_SW /MP_SPLIT /MP_RANK /MP_ERANK /MP_TIME	Athlete's Rank, equalled rank indicator (if it applies) and Time result from the start of the race up to each of the split points defined for the Swimming discipline in the "Discipline Configuration" message, according to the event distance, usually 200m.	Just for Swimming discipline phase
ER_MP_SW /MP_HEAT_RANK	Final rank achieved by the athlete in his/her SW heat.	Just for Swimming discipline phase
ER_MP_SW /MP_HEAT_ERANK	Equalled rank indicator (if it applies)	Just for Swimming discipline phase
ER_MP_SW /MP_HEAT_SORT	Athlete's sort order in this SW heat	Just for Swimming discipline phase
ER_MP_SW /MP_F_TIME	Final time achieved by the athlete in the Swimming discipline.	Just for Swimming discipline phase
ER_MP_SW /MP_NUM_PNL	Number of penalties for the athlete in the Swimming discipline.	Just for Swimming discipline phase (in case of penalties)
ER_MP_EQ /MP_TIME	Time result achieved by the athlete in the Riding discipline.	Just for Riding discipline phase
ER_MP_EQ /MP_PNL_WARMUP	Number of Warm-up penalties for the athlete in the Riding discipline.	Just for Riding discipline phase (in case of warm-up penalties)
ER_MP_EQ /MP_PNL_TIME	Number of Time penalties for the athlete in the Riding discipline.	Just for Riding discipline phase (in case of time penalties)
ER_MP_EQ /MP_PNL_OBS	Number of Obstacle penalties for the athlete in the Riding discipline.	Just for Riding discipline phase (in case of obstacle penalties)

Type /Code /Extension Code	Description	Expected
ER_MP_EQ /MP_PNL_OTH	Number of Other penalties for the athlete in the Riding discipline.	Just for Riding discipline phase (in case of other penalties)
ER_MP_CO /MP_F_TIME	Final Time result achieved by the athlete in the Combined discipline.	Just for Combined discipline phase
ER_MP_CO /MP_NUM_PNL	Number of penalties for the athlete in the Combined discipline.	Just for Combined discipline phase (in case of penalties)
ER_MP_CO /MP_RN_TIME	Total Running Time result by the athlete in the Combined discipline.	Just for Combined discipline phase
ER_MP_CO /MP_SH_TIME	Total Shooting Time result by the athlete in the Combined discipline.	Just for Combined discipline phase
ER_MP_CO /MP_SH_STATION	Number of the Shooting Station for the athlete in the Combined discipline.	Just for Combined discipline phase
ER_MP_CO /MP_SPLIT /MP_R_TIME /MP_CUM_R_TIME /MP_R_ORDER /MP_V_SHOTS /MP_M_SHOTS /MP_T_SHOTS /MP_S_TIME /MP_CUM_S_TIME /MP_S_ORDER	Athlete's split data (running time, cumulative split time at running -and its order-, number of valid, missed and total shots, shooting time and cumulative split time at shooting -and its order-) for each of the split result points (shooting/running range) defined for the Combined discipline (in the "Discipline Configuration" message).	Just for Combined discipline phase
ER_MP_CO /MP_SHOT /MP_STATUS /MP_CUM_TIME /MP_TIME	Athlete's shot details (shot status, cumulative shot time and shot time) at each shot for each of the split result points (shooting/running range) defined for the Combined discipline (in the "Discipline Configuration" message).	Just for Combined discipline phase
ER_MP_CO /MP_TOT_SHOTS /MP_VALID /MP_MISSED /MP_TOTAL /MP_AVG_VALID /MP_AVG_MISSED /MP_AVG_TOTAL	Totals of shots (number of total valid shots, total missed shots and total shots) and averages time (of valid shots, missed shots and by total shots) for the athlete in the Combined discipline.	Just for Combined discipline phase

5.1.5.6 Message sort

Please, follow the general definition.

5.1.6 Cumulative Results

5.1.6.1 Description

This message is the Cumulative Results message as described in the ODF Sport Messages Interface Document.

5.1.6.2 Header Values

The DocumentCode attribute in the ODF header will be sent according for all the competition events to the ODF Common Codes document (header values sheet).

Moreover, the header's attribute DocumentSubtype will be informed at discipline phase level, would be the cumulative results up to the end of the referenced discipline phase (DDGEEEP00).

5.1.6.3 Trigger and Frequency

Please, follow the general definition, taking also into account the following:

The message will be sent when each discipline has finished with unofficial and official results:

For Fencing discipline phase:

- After the last fencing round, after the fencing results are approved, the message will be sent with "UNOFFICIAL" / "OFFICIAL" results, as expected.

For Swimming discipline phase:

- After the swimming results are approved, the message will be sent with "UNOFFICIAL" / "OFFICIAL" results, as expected.

For Riding discipline phase:

- After the last round, after the riding results are approved, the message will be sent with "UNOFFICIAL" / "OFFICIAL" results, as expected.

For Combined discipline phase:

- When the event has finished (after all disciplines), after the combined running/shooting results are approved, the message will be sent with "UNOFFICIAL" / "OFFICIAL" results, as expected.

5.1.6.4 Message Structure

The optional elements defined for this message in the ODF Sport Messages Interface Document that should be included in the case of Modern Pentathlon are:

- CumulativeResult /RecordIndicators /RecordIndicator

- CumulativeResult /ResultItems /ResultItem /Result /RecordIndicators /RecordIndicator

- CumulativeResult /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

5.1.6.5 Message Values

The following table lists the "Cumulative Results" optional attributes (defined in the ODF Sport Messages Interface Document) that are used in the case of Modern Pentathlon, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
CumulativeResult	Rank	O	Text	Rank of the competitor in the cumulative result (at the end of the corresponding phase). This attribute is optional because the competitor could get an invalid rank mark (in the case of DSQ in a discipline, it will remain blank). For Fencing, it should be sent as soon as the competition starts.
	RankEqual	O	S(1) (Y)	Send 'Y' if the Rank is equalled.
	ResultType	M	CC @ResultType	Result type, either points or IRM with/out points for the cumulative result (see codes section)
	Result	O	N(4) 9990	The cumulative Result of the competitor, i.e. Modern Pentathlon points achieved at the end of the corresponding discipline phase. Send just in the case @ResultType is Points or IRM with points (see codes section).
	IRM	O	CC @IRM	The Invalid Result Mark for the cumulative result, in case it is assigned. Send just in the case @ResultType is IRM or both IRM and points. (see codes section)
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the cumulative result (at the end of the corresponding discipline phase), if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank.
CumulativeResult /RecordIndicators /RecordIndicator	Order	M	Numeric	Deprecated: For London, Order is always "1" for the latest (best) record of each type broken/equalled up to the current phase.
	Code	M	CC @RecordCode	Code which describes the record broken by the CumulativeResult /Result value (for Overall).
	RecordType	M	CC @RecordType	Code which specifies the level at which the record is broken.
CumulativeResult /ResultItems /ResultItem	Phase	M	CC @Phase	Phase code of the latest RSC schedule item to which the cumulative result is updated to.
	Unit	M	CC @Unit	Unit code of the latest RSC schedule item to which the cumulative results is updated to (in this case will be "00").
CumulativeResult /ResultItems /ResultItem /Result	Rank	O	Text	Rank of the competitor in the corresponding discipline phase. This attribute is optional because the competitor could get an invalid rank mark (in the case of DSQ in a discipline, it will be blank).
	RankEqual	O	S(1) (Y)	Send 'Y' if the Rank is equalled.
	ResultType	M	CC @ResultType	Result type, either points or IRM with/out points for the corresponding discipline phase (see codes section)
	Result	O	N(4) 9990	Result of the competitor in the particular discipline phase, i.e. Modern Pentathlon points achieved in the corresponding discipline phase. Send just in the case @ResultType is Points or IRM with points (see codes section).
	IRM	O	CC @IRM	The invalid rank mark (IRM) for the particular discipline phase, in case it is assigned. Send just in the case @ResultType is IRM or both IRM and points. (see codes section)

Element	Attribute	M/O	Value	Comments
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular discipline phase, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank.
CumulativeResult /ResultItems /ResultItem /Result /RecordIndicators /RecordIndicator	Order	M	Numeric	Deprecated: For London, Order is always "1" for the latest (best) record of each type broken/equalled in this event unit.
	Code	M	CC @RecordType	Code which gives the nature of the record broken or equalled by the discipline phase result value (for disciplines of Fencing, Swimming and Combined).

The following table describes in more detail the CumulativeResult /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult element (for all discipline phases).

Element: CumulativeResult /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
ER_MP	MP_DIFF			MM:SS 90:00 Or "0:00" (for leader)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: The time difference behind of the leader corresponding to the result in the last discipline phase in which has competed. Do not send: - after combined - for Result @IRM=DSQ Send "0:00" if the athlete is the leader (for Result @Rank=1). Use Time format: MM is minutes SS is seconds

For the table above, we have the following additional/summary information:

Type /Code /Extension Code	Description	Expected
ER_MP /MP_DIFF	The time difference to the leader (score behind the leader converted to run handicap time behind the leader) corresponding to the result in the last discipline phase in which has competed.	Always (after each discipline, except after Combined)

5.1.6.6 Message sort

Please, follow the general definition.

5.1.7 Event Final Ranking

5.1.7.1 Description

This message is the Event Final Ranking message as described in the ODF Sport Messages Interface Document.

5.1.7.2 Header Values

The DocumentCode attribute in the ODF header will be sent according for all the competition events to the ODF Common Codes document (header values sheet).

5.1.7.3 Trigger and Frequency

Please, follow the general definition, taking also into account the following:

- When the event has finished (after all disciplines):

  - Then proceed with UNOFFICIAL / OFFICIAL results, as expected.

5.1.7.4 Message Structure

The optional elements defined for this message in the ODF Sport Messages Interface Document that should be included in the case of Modern Pentathlon are:

- Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

5.1.7.5 Message Values

The following table lists the "Event Final Ranking" optional attributes (defined in the ODF Sport Messages Interface Document) that are used in the case of Modern Pentathlon, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Result	Rank	O	Text	Rank of the competitor in the corresponding event. This attribute is optional because the competitor could get an invalid rank mark (in the case of DSQ in a discipline, already it will remain blank).
	RankEqual	O	S(1) (Y)	Send 'Y' if the Rank is equalled.
	ResultType	M	CC @ResultType	Result type, either points or IRM with/out points for the corresponding event (see codes section)
	Result	O	N(4) 9990	Result of the competitor in the corresponding event, i.e. Total Modern Pentathlon points achieved. Send just in the case @ResultType is Points or IRM with points (see codes section).
	IRM	O	CC @IRM	Invalid Result Mark for the corresponding event, in case it is assigned. Send just in the case @ResultType is IRM or both IRM and points. (see codes section)
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results at the end of the event, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank.

The following table describes in more detail the Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult element.

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
ER_MP	MP_DIFF			MM:SS 90:00	For @Type: Send proposed type
					For @Code: Send proposed code
				Or	For @Pos: Do not send anything
				"0:00" (for leader)	For @Value: The time difference behind of the leader corresponding to the result in the last discipline phase in which has competed. Do not send for Result @IRM=DSQ
					Send "0:00" if the athlete is the leader (for Result @Rank=1).
					Use Time format: MM is minutes SS is seconds

For the table above, we have the following additional/summary information:

Type /Code /Extension Code	Description	Expected
ER_MP /MP_DIFF	The time difference to the leader.	Always

5.1.7.6 Message sort

Please, follow the general definition.

5.1.8 Event's Medallists

5.1.8.1 Description

This message is the Event's Medallists message as described in the ODF Sport Messages Interface Document.

In the case of Modern Pentathlon, the message has to be sent for all the competition events, as listed in the header values section.

5.1.8.2 Header Values

The DocumentCode attribute in the ODF header will be sent according for all the competition events to the ODF Common Codes document (header values sheet).

5.1.8.3 Trigger and Frequency

In the case of Modern Pentathlon, the message has to be sent five (5) minutes after the results of the last discipline are approved.

5.1.8.4 Message Structure

Please, follow the general definition.

5.1.8.5 Message Values

Please, follow the general definition.

5.1.8.6 Message sort

Please, follow the general definition.

5.1.9 Records

5.1.9.1 Description

This message is the Records message as described in the ODF Sport Messages Interface Document.

In the case of Modern Pentathlon, the message has to be sent for all the competition discipline phases of the event (except for the Riding discipline), according to the ODF Common Codes document (record codes values sheet).

5.1.9.2 Header Values

The DocumentCode attribute in the ODF header will be sent according to the ODF Common Codes document (header values sheet).

5.1.9.3 Trigger and Frequency

Please, follow the general definition, taking also into account (if any Record has been broken or equalled) the following:

- Two (2) minutes after the fencing results are approved

- Two (2) minutes after the swimming results are approved

- Two (2) minutes after the combined running/shooting results are approved

5.1.9.4 Message Structure

The optional elements defined for this message in the ODF Sport Messages Interface Document that should be included in the case of Modern Pentathlon are:

- Record /RecordType /RecordEntries /RecordEntry /Competitor /Composition /Athlete /RecordData

In the next section (message values), there is a more detailed definition.

5.1.9.5 Message Values

The following table lists the "Records" optional attributes (defined in the ODF Sport Messages Interface Document) that are used in the case of Modern Pentathlon, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Record /RecordType /RecordEntries /RecordEntry /RecordData	ResultType	M	CC @ResultType	"POINTS", "TIME", "VIC_DEF" Indicate that the result type for the record is points, time, or the number of victories/defeats (according to the result related to the record (code and type). (see codes section)

	Result	M	N(4) 9990 Or MM:SS.tt 99:90.00 Or S(7) "nnV-nnD"	The result of the competitor for the record, according to the expected result (@ResultType) in this record (code and type): -For "POINTS" (in "MP Overall" -for World Best): numeric with a maximum of 4 digits -For "TIME" (in "Swimming" discipline -for World and Olympic records-, and, in "Combined" discipline -for Best Time-). Use Time format: MM is minutes SS is seconds tt is hundredths of second -For "VIC_DEF" (in "Fencing" discipline -for World Best-): string with the cumulative number of victories plus "V" - the cumulative number of defeats plus "D" (e.g.: "21V-10D")
Record /RecordType /RecordEntries /RecordEntry /Competitor /Composition /Athlete /RecordData	Historical	M	S(1) (Y, N)	Indicates if the record is achieved during the current competition or not. Send 'Y' if not (it is from a previous competition).
	RSC	O	Concatenation of the following (for event discipline): CC @Discipline CC @DisciplineGender CC @Event CC @Phase "00" Or (for the MP overall event): CC @Discipline CC @DisciplineGender CC @Event "0" "00"	RSC of the Event or the Event's Discipline for the current competition where the record is reached. Send always, is mandatory, in the case @Historical='N' (current competition).
	Time	O	MillisTime	The time where the record was broken or equalled. Send always, is mandatory, in the case @Historical='N' (current competition).
	Country	M	CC @Country	Country code where the record was broken.
	Place	M	S(40)	The place (town or city) where the record was broken.
	Date	M	YYYYMMDD	The date where the record was broken or equalled (for the current competition, the date will be assumed as the date for the @RSC attribute according to its schedule)
	Event	O	S(40)	Text of the event name where the record was broken in a previous competition (e.g.: "2008 Olympic Games". Send if it is available when @Historical='Y'.

5.1.9.6 Message sort

Please, follow the general definition.

5.1.10 Discipline/venue good morning

5.1.10.1 Description

This message is the Discipline/venue good morning message as described in the ODF Sport Messages Interface Document.

5.1.10.2 Header Values

The DocumentCode attribute in the ODF header will be sent according to the discipline/venue pairs as described in the ODF Common Codes document.

5.1.10.3 Trigger and Frequency

Please, follow the general definition.

5.1.10.4 Message Structure

Please, follow the general definition.

5.1.10.5 Message Values

Please, follow the general definition.

5.1.10.6 Message sort

Please, follow the general definition.

5.1.11 Discipline/venue good night

5.1.11.1 Description

This message is the Discipline/venue good night message as described in the ODF Sport Messages Interface Document.

5.1.11.2 Header Values

The DocumentCode attribute in the ODF header will be sent according to the discipline/venue pairs as described in the ODF Common Codes document.

5.1.11.3 Trigger and Frequency

Please, follow the general definition.

5.1.11.4 Message Structure

Please, follow the general definition.

5.1.11.5 Message Values

Please, follow the general definition.

5.1.11.6 Message sort

Please, follow the general definition.

5.1.12 Discipline configuration

5.1.12.1 Description

This message is the Discipline Configuration message as described in the ODF Sport Messages Interface Document.

5.1.12.2 Header Values

Please, follow the general definition.

5.1.12.3 Trigger and Frequency

Please, follow the general definition.

5.1.12.4 Message Structure

The optional elements defined for this message in the ODF Sport Messages Interface Document that should be included in the case of Modern Pentathlon are:

- Configs /Config /ExtendedConfig /ExtendedConfigItem

5.1.12.5 Message Values

Send the attributes and codes according to the tables described in this section.

The following table lists the "Discipline configuration" optional attributes (defined in the ODF Sport Messages Interface Document) that are used in the case of Modern Pentathlon, as well as the attributes that have an extended definition.

Element	Attribute	M/O	Value	Comments
Configs /Config	Gender	M	CC @DisciplineGender	Gender code of the RSC.
	Event	M	CC @Event	Event code of the RSC.
	Phase	M	CC @Phase	Phase code of the RSC. There are the following phases for: -Discipline phases: (A) Fencing (B) Swimming (C) Riding (D) Combined (Running/Shooting)

The following table describes in more detail the Configs /Config /ExtendedConfig element and its child element ExtendedConfigItem (for discipline phases of Fencing, Swimming and Riding).

Element: Configs /Config /ExtendedConfig					
Type	Code	ExtendedConfigItem Code	Pos	Value	Description
EC_MP	MP_NUM_GROUPS (Send by discipline phase, just for Fencing, Swimming and Riding)			N(2) 99	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Total number of groups, based on number of competitors, per discipline phase (except for phase of Combined), i.e.: -for Fencing phase: the total number of rounds, -for Swimming phase: the total number of heats, -for Riding phase: the total number of rounds.

Element: Configs /Config /ExtendedConfig

Type	Code	ExtendedConfigItem Code	Pos	Value	Description
	MP_NUM_PISTES (Send by discipline phase, just for Fencing)			N(2) 99	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Total number of pistes per Fencing discipline, based on the number of competitors.
	MP_LAST_PISTE (Send by discipline phase, just for Fencing)			CC @Piste	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos : Do not send anything
					For @Value: Piste identification to designate the last piste used in Fencing discipline. ==Do not send "R" as it doesn't make sense.== (e.g.: I for "Piste I")
	MP_SPLIT (Send by discipline phase, just for Swimming and Combined)		N(1) 9		For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos Send the number that identifies each one of the split points (from 1 to n, where "n" is when the race finishes, for the swimming discipline according to the event's distance -usually 200m-, and for the combined discipline just the total number of splits -usually 4-, each one with a shooting/running range) (e.g.: for Swimming -200m events-, 4 splits: (1): 50m, (2): 100m, (3): 150m, (4): 200m).
					For @Value: Do not send anything
		MP_DISTANCE		N(4) 9990	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Distance from start at this split point in meters. For Combined, it corresponds to the running range at each split point. (e.g.: for Swimming - 4 splits: (1): 50m, (2): 100m, (3): 150m, (4): 200m -the finish- for Combined - 3 or 4 splits (depending on the run distance, 1000m or 750m respectively): (1): 1000m, (2): 2000m, (3): 3000m -the finish-, or (1): 750m, (2): 1500m, (3): 2250m, (4): 3000m -the finish-).
		MP_LAST		S(1)	For @Type:

Element: Configs /Config /ExtendedConfig

Type	Code	ExtendedConfigItem Code	Pos	Value	Description
					Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send 'Y' for the last split point (the finish).

For the table above, we have the following additional/summary information

Type /Code /ExtendedConfigItem Code	Description	Expected
EC_MP /MP_NUM_GROUPS	It's the total number of groups (heats or rounds) based on the number of competitors per discipline phase if apply.	Send by phase (just for disciplines phases of Fencing, Swimming and Riding), when it is available.
EC_MP /MP_NUM_PISTES	It's the total number of pistes per Fencing discipline, based on the number of competitors.	Send by phase (just for Fencing discipline phase), when it is available.
EC_MP /MP_LAST_PISTE	Piste identification to designate the last piste used in Fencing discipline.	Send by phase (just for Fencing discipline phase), when it is available.
EC_MP /MP_SPLIT /MP_DISTANCE /MP_LAST	Split points defined for the Swimming discipline according to the event distance -usually 200m-, and for the Combined discipline -usually a shooting/running range at each one (split number, the distance from the start -in the Combined, for the running range- and indicating which the last one is).	Send by phase (just for discipline phases of Swimming and Combined), when it is available.

5.1.12.6 Message sort

Please, follow the general definition.

6 Real time

The following chapter describes the ODF-RT part of Modern Pentathlon.

6.1 Real Time Applicable Messages

The next table is a full list of all ODF-RT messages and describes the list of messages used in Modern Pentathlon the same way as it is done in the table of chapter 4.

Message Type	Message name	Message documented	Message used in this sport	Message extended in this document
DT_RT_GM	RT Discipline/Venue good morning	Sports	X	
DT_RT_GN	RT Discipline/venue good night	Sports	X	
DT_RT_KA	RT Discipline/venue keep alive	Sports	X	
DT_RT_RESULT	RT Event Unit Results	Sports	X	X
DT_RT_CUMULATIVE_RESULT	RT Cumulative Results	Sports	X	X

6.1.1 RT Event Unit Results

6.1.1.1 Description

This message is the RT Event Unit Results message as described in the ODF Sport Messages Interface Document.

6.1.1.2 Header Values

The ODF header will be sent according to the ODF Common Codes document.

6.1.1.3 Trigger and Frequency

The following is the trigger for this message in ODF-RT:

- ResultStatus="LIVE_UPDATE"

    o T3: Trigger when an athlete breaks a Record or equalled.

    o T4: Trigger when a competitor obtains an invalid result mark.

    o T22: Trigger when an athlete receives any penalty.

    o T5: Trigger at the beginning of each round on each piste (in Fencing).

    o T21: Trigger at the beginning of each bout (in Fencing).

    o T6: Trigger at the end of each bout (in Fencing).

    o T7: Trigger at the end of each round (in Fencing).

    o T9: Trigger at the beginning of the race (in Swimming).

    o T10: Trigger when an athlete completes a split (in Swimming).

    o T11: Trigger at the end of each heat, for each individual (in Swimming).

    o T20: Trigger when the competitor comes into the field of play (in Riding).

    o T13: Trigger at the end of each rider (in Riding).

    o T15: Trigger when a competitor completes a split (in Combined).

    o T16: Trigger after each shot of a competitor (in Combined).

    o T17[1]: Trigger when a competitor leaves a shooting range (in Combined).

    o T18: Trigger when a competitor arrives to finish (in Combined).

    o T19: Trigger when a competitor finishes their shooting (in Combined).

- ResultStatus="LIVE_FULL"

    o This value should be suggested to test frequency values around the average time used by the athlete to complete their participation in the course.

- For other ResultStatus, follow the general definition.

---

[1] This trigger is not currently used. For the moment T16 (a much harder trigger than T17) should be tested in order to test stress performance. However, T17 would be enough in the case of MP if T16 was problematic.

6.1.1.4 Message Structure

The optional elements defined for this message in the ODF Sport Messages Interface Document that should be included in the case of Modern Pentathlon are:

- UnitInfos /UnitDateTime (following the general rules for this element)

- UnitInfos /UnitInfo (for discipline phases of Fencing and Swimming)

- Result /RecordIndicators /RecordIndicator (for disciplines phases of Fencing, Swimming and Combined)

- Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult (for all discipline phases).

- Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult /Extensions (for all discipline phases)

Please, follow the general considerations for all ResultStatus.

In the next section (message values), there is a more detailed definition.

6.1.1.5 Message Values

The following table describes in more detail the Result element.

Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
Result	Rank	O	Text	Rank of the competitor in the corresponding discipline phase. This attribute is optional because the competitor could get an invalid rank mark (in this case, it will be blank). For Fencing, it should be sent as soon as the competition starts.	Fencing discipline: T6 Swimming discipline: T11 Riding discipline: T13 Combined discipline: T18 All disciplines: T22
	RankEqual	O	S(1) (Y,N)	Send 'Y' if the Rank is equalled. Send "N" only if Rank was equalled in previous RT message and is not equalled anymore.	
	ResultType	M	CC @ResultType	Result type, either points or IRM with/out points for the corresponding discipline phase (see codes section)	Fencing discipline: T6 Swimming discipline: T11 Riding discipline: T13 Combined discipline: T18 All disciplines: T4, T22
	Result	O	N(4) 9990	Result of the competitor in the particular discipline phase, i.e. Modern Pentathlon points achieved in the corresponding discipline phase. Send just in the case @ResultType is Points or IRM with points (see codes section).	Fencing discipline: T6 Swimming discipline: T11 Riding discipline: T13 Combined discipline: T18 All disciplines: T22
	IRM	O	CC @IRM	Invalid Result Mark for the particular discipline phase, in case it is assigned. Send just in the case @ResultType is IRM or both IRM and points. (see codes section)	Fencing discipline: T6 Swimming discipline: T11 Riding discipline: T13 Combined discipline: T18 All disciplines: T4, T22

Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular discipline phase, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank.	Fencing discipline: T6 Swimming discipline: T11 Riding discipline: T13 Combined discipline: T18 All disciplines: T4, T22
Result /RecordIndicators /RecordIndicator	Order	M	Numeric	Deprecated: For London, Order is always "1" for records broken/equalled in this Event Unit.	Fencing discipline: T3 Swimming discipline: T11, T3 Combined discipline: T18, T3
	Code	M	CC @RecordCode	Code which describes the record broken by the discipline phase result value (for disciplines of Fencing, Swimming and Combined).	
	RecordType	M	CC @RecordType	Code which specifies the level at which the record is broken.	

The following table describes in more detail the UnitInfos /UnitInfo element in the case of Modern Pentathlon (for discipline phases of Fencing and Swimming).

Element: UnitInfos /UnitInfo (for disciplines of Fencing and Swimming)					
Type	Code	Extension Code	Pos	Value	Description
UI_MP_FE	MP_CURRENT_ROUND_CC @Piste			N(2) 90	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos : Do not send anything
					For @Value: Number of the current Round of the Fencing discipline that is in progress at this time in every piste, according to the defined number of rounds per this discipline phase (e.g.: 0 or 1 or ...17).
	MP_CURRENT_BOUT_CC @Piste			N(3) 999	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos : Do not send anything
					For @Value: Number of the current Bout of the Fencing discipline that is in progress at this time in every piste.
UI_MP_SW	MP_CURRENT_HEAT			N(1) 9	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: The number that identifies the current Heat for the Swimming event discipline, according to the defined number of heats per this discipline phase (e.g.: 1 or 2 or ...4)

Element: UnitInfos /UnitInfo (for disciplines of Fencing and Swimming)

Type	Code	Extension Code	Pos	Value	Description
	MP_CURRENT_SPLIT			N(1) 9	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Number of the current split result point of the first competitor (according to the MP_SPLIT @Pos of "Discipline Configuration" message). Send 0 when last split is over.

For the table above, we have the following additional/summary information:

Type /Code /Extension Code	Description	Expected
UI_MP_FE /MP_CURRENT_ROUND_CC @Piste	The number of the current Round of the Fencing discipline in every piste.	Just for Fencing discipline: T5
UI_MP_FE /MP_CURRENT_BOUT_CC @Piste	The number of the current Bout of the Fencing discipline in every piste.	Just for Fencing discipline: T21, T6
UI_MP_SW /MP_CURRENT_HEAT	The number of the current Heat within the Swimming discipline.	Just for Swimming discipline: T9
UI_MP_SW /MP_CURRENT_SPLIT	Number of current split point within a heat of the Swimming discipline.	Just for Swimming discipline: T10, T11

The following table describes in more detail the Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult element and its child element Extensions (for all discipline phases).

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
ER_MP_FE	MP_NUM_VIC			N(2) 90	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Cumulative number of victories (number of bouts won) that this competitor has within the Fencing discipline.
	MP_NUM_DEF			N(2) 90	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Cumulative number of defeats (number of bouts lost) that this competitor has within the Fencing discipline.
	MP_NUM_PNL			N(3) 990	For @Type: Send proposed type
					For @Code:

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					Send proposed code
					For @Pos: Do not send anything
					For @Value: Number of penalties within the Fencing discipline.
	MP_BOUTS		N(2) 99		For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Sequence Number to indicate the number of bouts in which the athlete competes in Fencing, from 1 to the total number of bouts for the athlete.
					For @Value: Do not send anything
		MP_BOUT_NUMBER		N(3) 999	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos : Do not send anything
					For @Value: Bout's Number of each one of the different bouts of Fencing where this athlete competes.
		MP_BOUT_RESULT		S(1) ("V","D","N" or blank)	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Bout Result of each one of the different bouts for this athlete in the Fencing discipline. Send "V" for Victory, "D" for Defeat and "N" for Double defeat, or blank for no result (due to an IRM for example).
		MP_IRM		CC @IRM	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Send in the case the result has an IRM (invalid result mark) at this bout, besides the result. (see codes section)
		MP_WINNER		S(1) (Y,N)	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos:

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					Do not send anything
					For @Value: Bout's winner. Send "Y" when this athlete is the winner at this bout (the fencer that has the victory of the bout result), and "N" otherwise (if not and it has changed).
ER_MP_SW	MP_SPLIT		N(1) 9		For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: The number that identifies the split point, from 1 to the total number of splits result points.
					For @Value: Do not send anything
		MP_RANK		N(1) 9	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Cumulative rank at this split point.
		MP_ERANK		S(1) (Y, N)	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: It identifies if the cumulative rank at this split point has been equalled (send "Y" in this case), or not and has changed (send "N").
		MP_TIME		MM:SS.tt 99:90.00	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Time result from the start of the race up to this split point. It is a cumulative result time for Swimming discipline. Use Time format: MM is minutes SS is seconds tt is hundredths of second
		MP_HEAT_RANK		N(1) 9	For @Type: Send proposed type
					For @Code: Send proposed code

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					For @Pos: Do not send anything
					For @Value: Final rank achieved by the athlete in his/her SW heat.
	MP_HEAT_ERANK			S(1) (Y,N)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: It identifies if the final rank has been equalled (send "Y" in this case), or not and has changed (send "N").
	MP_HEAT_SORT			N(1) 9	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Athlete's sort order in this SW heat.
	MP_F_TIME			MM:SS.tt 99:90.00	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Final time achieved in the Swimming discipline. Use Time format: MM is minutes SS is seconds tt is hundredths of second
	MP_NUM_PNL			N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Number of penalties within the Swimming discipline.
	MP_LAST_FINISHED			S(1) (Y,N)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @ Pos: Do not send anything
					For @Value: Send "Y" when the last time corresponds to this competitor (completes/finishes a split or finishes the race), and "N" otherwise

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					(if not and it has changed).
ER_MP_EQ	MP_TIME			SSS.tt 990.00	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Time result in the Riding discipline. Use Time format: SSS is seconds tt is hundredths of second
	MP_PNL_WARMUP			N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Number of Warm-up penalties within the Riding discipline.
	MP_PNL_TIME			N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Number of Time penalties within the Riding discipline.
	MP_PNL_OBS			N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Number of Obstacle penalties within the Riding discipline.
	MP_PNL_OTH			N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Number of Other penalties within the Riding discipline.
	MP_CURRENT			S(1) (Y,N)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					Send "Y" when this competitor

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					enters the field of play, and "N" when he/she finishes riding.
	MP_LAST_FINISHED			S(1) (Y,N)	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					Send "Y" when this competitor is the last finished the ride within the Riding discipline, and "N" otherwise (if not and it has changed).
ER_MP_CO	MP_F_TIME			MM:SS.tt 99:90.00 Or +SS.tt +90.00	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Final Time result for the first place or difference with the first place (delta) in the Combined discipline (net time). Use Time format: MM is minutes SS is seconds tt is hundredths of second
	MP_NUM_PNL			N(3) 990	For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: Do not send anything
					For @Value: Number of penalties within the Combined discipline.
	MP_SPLIT		N(1) 9		For @Type: Send proposed type
					For @Code: Send proposed code
					For @Pos: The number that identifies the split point (shooting/running range), from 1 to the total number of splits result points.
					For @Value: Do not send anything
		MP_R_TIME		MM:SS.tt 99:90.00	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Running time at the running range of this split.

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					Use Time format: MM is minutes SS is seconds tt is hundredths of second
		MP_CUM_R_TIME		MM:SS.tt 99:90.00 Or +SS.tt +90.00	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Cumulative split time (shooting and running time) for the first place or difference with the first place (delta) at each split point (raw time of race, it will be a time for the first one and an ascending delta for the rest). Use Time format: MM is minutes SS is seconds tt is hundredths of second
		MP_R_ORDER		N(2) 99	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Sort Order according to the Cumulative split time – shooting and running time- at the running range (MP_CUM_R_TIME) of this split.
		MP_V_SHOTS		N(1) 9	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Number of valid shots at the shooting range of this split.
		MP_M_SHOTS		N(1) 9	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Number of missed shots at the shooting range of this split.
		MP_T_SHOTS		N(2) 99	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything

Element: Result /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
					For @Value: Number of total shots at the shooting range of this split.
		MP_S_TIME		SSS.tt 990.00	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Shooting time at the shooting range of this split. Use Time format: SSS is seconds tt is hundredths of second
		MP_CUM_S_TIME		MM:SS.tt 99:90.00 Or +SS.tt +90.00	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Cumulative split time (shooting and running time) for the first place or difference with the first place (delta) at the exit of the shooting range of this split (raw time of race, it will be a time for the first one and an ascending delta for the rest). Use Time format: MM is minutes SS is seconds tt is hundredths of second
		MP_S_ORDER		N(2) 99	For @Type: Send proposed code (as type)
					For @Code: Send proposed extension code
					For @Pos: Do not send anything
					For @Value: Sort Order according to the Cumulative split time -shooting and running time- at the shooting range (MP_CUM_S_TIME) of this split.

For the table above, we have the following additional/summary information:

Type /Code /Extension Code	Description	Expected
ER_MP_FE /MP_NUM_VIC	Cumulative number of victories for the athlete during/in the Fencing discipline.	Just for Fencing discipline: T6, T7
ER_MP_FE /MP_NUM_DEF	Cumulative number of defeats for the athlete during/in the Fencing discipline.	Just for Fencing discipline: T6, T7
ER_MP_FE /MP_NUM_PNL	Number of penalties for the athlete during/in the Fencing discipline.	Just for Fencing discipline: T6, T7

Type /Code /Extension Code	Description	Expected
ER_MP_FE /MP_BOUTS /MP_BOUT_NUMBER /MP_BOUT_RESULT /MP_IRM /MP_WINNER	Bouts' Results for the athlete, of each of the bouts in which this athlete competes against the rest of the competitors (identifying in each one the bout number and the corresponding result -indicating if it is the winner - for each one).	Just for Fencing discipline: T6
ER_MP_SW /MP_SPLIT /MP_RANK /MP_ERANK /MP_TIME	Athlete's Rank, equalled rank indicator (if it applies) and Time result from the start of the race up to each of the split points defined for the Swimming discipline in the "Discipline Configuration" message, according to the event distance, usually 200m.	Just for Swimming discipline: T10
ER_MP_SW /MP_HEAT_RANK	Final rank achieved by the athlete in his/her SW heat.	Just for Swimming discipline: T11
ER_MP_SW /MP_HEAT_ERANK	Equalled rank indicator (if it applies)	Just for Swimming discipline: T11
ER_MP_SW /MP_HEAT_SORT	Athlete's sort order in this SW heat	Just for Swimming discipline: T11
ER_MP_SW /MP_F_TIME	Final time achieved by the athlete in the Swimming discipline.	Just for Swimming discipline: T11
ER_MP_SW /MP_NUM_PNL	Number of penalties for the athlete during/in the Swimming discipline.	Just for Swimming discipline: T11
ER_MP_SW /MP_LAST_FINISHED	Indicates that this competitor has just finished a split or the race during/in Swimming discipline.	Just for Swimming discipline: T10, T11
ER_MP_EQ /MP_TIME	Time result achieved by the athlete during/in Riding discipline.	Just for Riding discipline: T13
ER_MP_EQ /MP_PNL_WARMUP	Number of Warm-up penalties for the athlete during/in Riding discipline.	Just for Riding discipline: T22, T13, T20
ER_MP_EQ /MP_PNL_TIME	Number of Time penalties for the athlete during/in Riding discipline.	Just for Riding discipline: T22, T13, T20
ER_MP_EQ /MP_PNL_OBS	Number of Obstacle penalties for the athlete during/in Riding discipline.	Just for Riding discipline: T22, T13, T20
ER_MP_EQ /MP_PNL_OTH	Number of Other penalties for the athlete during/in Riding discipline.	Just for Riding discipline: T22, T13, T20
ER_MP_EQ /MP_CURRENT	Indicates that this competitor is currently riding during/in Riding discipline.	Just for Riding discipline: T20, T13
ER_MP_EQ /MP_LAST_FINISHED	Indicates that this competitor has just finished the ride during/in Riding discipline.	Just for Riding discipline: T13
ER_MP_CO /MP_F_TIME	Final time result achieved by the athlete in the Combined discipline.	Just for Combined discipline: T18
ER_MP_CO /MP_NUM_PNL	Number of penalties for the athlete during/in the Combined discipline.	Just for Combined discipline: T18
ER_MP_CO /MP_SPLIT /MP_R_TIME /MP_CUM_R_TIME /MP_R_ORDER	Athlete's split data (running time, cumulative split time at running -and its order-) for each of the split result points (shooting/running range) defined for the Combined discipline (in the "Discipline Configuration" message).	Just for Combined discipline: T15
ER_MP_CO /MP_SPLIT /MP_V_SHOTS /MP_M_SHOTS /MP_T_SHOTS	Athlete's split data (number of valid, missed and total shots) for each of the split result points (shooting/running range) defined for the Combined discipline (in the "Discipline Configuration" message).	Just for Combined discipline: T16
ER_MP_CO /MP_SPLIT /MP_CUM_S_TIME /MP_S_ORDER	Athlete's split data (cumulative split time at shooting -and its order-) for each of the split result points (shooting/ running range) defined for the Combined discipline (in the "Discipline Configuration" message).	Just for Combined discipline: T17
ER_MP_CO /MP_SPLIT	Athlete's split data (shooting time) for each of	Just for Combined discipline: T19

Type /Code /Extension Code	Description	Expected
/MP_S_TIME	the split result points (shooting/ running range) defined for the Combined discipline (in the "Discipline Configuration" message).	

6.1.1.6 Message sort

Please, follow the general definition.

6.1.2 RT Cumulative Results

6.1.2.1 Description

This message is the RT Cumulative Results message as described in the ODF Sport Messages Interface Document.

6.1.2.2 Header Values

The ODF header will be sent according to the ODF Common Codes document.

Moreover, the header's attribute DocumentSubtype will be informed at discipline phase level, would be the cumulative results up to the end of the referenced discipline phase (DDGEEEP00).

6.1.2.3 Trigger and Frequency

The following is the trigger for this message in ODF-RT:

The message will be sent (while the discipline phase has not finished after each round in 1st discipline, after each heat in 2nd discipline, after each rider or after each round in 3rd discipline, or after each athlete in 4th discipline).

- ResultStatus="LIVE_UPDATE"

    o T3: Trigger when an athlete breaks a Record or equalled.

    o T4: Trigger when a competitor obtains an invalid result mark.

    o T5: Trigger at the beginning of each discipline phase.

    o T6: Trigger at the end of each bout (in Fencing).

    o T11: Trigger at the end of each heat, the race is finished (in Swimming).

    o T13: Trigger at the end of each rider (in Riding).

    o T18: Trigger when a competitor arrives to finish (in Combined).

- ResultStatus="LIVE_FULL"

    o This value should be suggested and sent in the DT_RT_GM message after further testing.

- For other ResultStatus, follow the general definition

6.1.2.4 Message Structure

The optional elements defined for this message in the ODF Sport Messages Interface Document that should be included in the case of Modern Pentathlon are:

- CumulativeResult /RecordIndicators /RecordIndicator

- CumulativeResult /ResultItems /ResultItem /Result /RecordIndicators /RecordIndicator

- CumulativeResult /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Please, follow the general considerations for all ResultStatus.

In the next section (message values), there is a more detailed definition.

6.1.2.5 Message Values

The following table describes in more detail the CumulativeResult element and its child elements RecordsIndicators and ResultsItems.

Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
CumulativeResult	Rank	O	Text	Rank of the competitor in the cumulative result (at the end of the corresponding phase). This attribute is optional because the competitor could get an invalid rank mark (in the case of DSQ in a discipline, it will remain blank). For Fencing, it should be sent as soon as the competition starts.	Fencing discipline: T6 Swimming discipline: T11 Riding discipline: T13 Combined discipline: T18
	RankEqual	O	S(1) (Y,N)	Send 'Y' if the Rank is equalled. Send "N" only if Rank was equalled in previous RT message and is not equalled anymore.	
	ResultType	M	CC @ResultType	Result type, either points or IRM with/out points for the cumulative result (see codes section)	Fencing discipline: T6 Swimming discipline: T11 Riding discipline: T13 Combined discipline: T18 All disciplines: T4
	Result	O	N(4) 9990	The cumulative Result of the competitor, i.e. Modern Pentathlon points achieved at the end of the corresponding discipline phase. Send just in the case @ResultType is Points or IRM with points (see codes section).	
	IRM	O	CC @IRM	The Invalid Result Mark for the cumulative result, in case it is assigned. Send just in the case @ResultType is IRM or both IRM and points. (see codes section)	
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the cumulative result (at the end of the corresponding discipline phase), if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank.	Fencing discipline: T6 Swimming discipline: T11 Riding discipline: T13 Combined discipline: T18
CumulativeResult /RecordIndicators /RecordIndicator	Order	M	Numeric	Deprecated: For London, Order is always "1" for the latest (best) record of each type broken/equalled up to the current phase.	Combined discipline: T18, T3
	Code	M	CC @RecordCode	Code which describes the record broken by the CumulativeResult /Result value (for Overall).	
	RecordType	M	CC @RecordType	Code which specifies the level at which the record is broken.	
CumulativeResult /ResultItems /ResultItem	Phase	M	CC @Phase	Phase code of the latest RSC schedule item to which the cumulative result is updated to.	Fencing discipline: T6 Swimming discipline: T11 Riding discipline: T13

Element	Attribute	M/O	Value	Comments	LIVE_UPDATE RT trigger expected
	Unit	M	CC @Unit	Unit code of the latest RSC schedule item to which the cumulative results is updated to (in this case will be "00").	Combined discipline: T18
CumulativeResult /ResultItems /ResultItem /Result	Rank	O	Text	Rank of the competitor in the corresponding discipline phase. This attribute is optional because the competitor could get an invalid rank mark (in the case of DSQ in a discipline, it will be blank).	Fencing discipline: T6 Swimming discipline: T11 Riding discipline: T13 Combined discipline: T18 All disciplines: T4
	RankEqual	O	S(1) (Y,N)	Send 'Y' if the Rank is equalled. Send "N" only if Rank was equalled in previous RT message and is not equalled anymore.	
	ResultType	M	CC @ResultType	Result type, either points or IRM with/out points for the corresponding discipline phase (see codes section)	Fencing discipline: T6 Swimming discipline: T11 Riding discipline: T13 Combined discipline: T18 All disciplines: T4
	Result	O	N(4) 9990	Result of the competitor in the particular discipline phase, i.e. Modern Pentathlon points achieved in the corresponding discipline phase. Send just in the case @ResultType is Points or IRM with points (see codes section).	
	IRM	O	CC @IRM	The invalid rank mark (IRM) for the particular discipline phase, in case it is assigned. Send just in the case @ResultType is IRM or both IRM and points. (see codes section)	
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular discipline phase, if they were to be presented. It is mostly based on the rank, but it should be used to sort out rank ties as well as results without rank.	Fencing discipline: T6 Swimming discipline: T11 Riding discipline: T13 Combined discipline: T18 All disciplines: T4
CumulativeResult /ResultItems /ResultItem /Result /RecordIndicators /RecordIndicator	Order	M	Numeric	Send "1" for the current Record or incremental in the others cases when the record has been beat by the discipline phase result value.	Fencing discipline: T3 Swimming discipline: T11, T3 Combined discipline: T18, T3
	Code	M	CC @RecordType	Code which gives the nature of the record broken or equalled by the discipline phase result value (for disciplines of Fencing, Swimming and Combined).	

The following table describes in more detail the CumulativeResult /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult element (for all discipline phases).

Element: CumulativeResult /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult					
Type	Code	Extension Code	Pos	Value	Description
ER_MP	MP_DIFF			MM:SS 90:00	For @Type: Send proposed type
					For @Code:

Element: CumulativeResult /Competitor /Composition /Athlete /ExtendedResults /ExtendedResult

Type	Code	Extension Code	Pos	Value	Description
				Or	Send proposed code
				"0:00" (for leader)	For @Pos: Do not send anything
				Or Blank	For @Value: The time difference behind of the leader corresponding to the result in the last discipline phase in which has competed (same as the leader). Do not send: - after combined - for Result @IRM=DSQ Send "0:00" if the athlete is the leader (for Result @Rank=1). Send blank at the beginning of each discipline. Use Time format: MM is minutes SS is seconds

For the table above, we have the following additional/summary information:

Type /Code /Extension Code	Description	Expected
ER_MP /MP_DIFF	The time difference to the leader (score behind the leader converted to run handicap time behind the leader) corresponding to the result in the last discipline phase in which has competed (same as the leader).	Fencing discipline: T6 Swimming discipline: T11 Riding discipline: T13 All disciplines: T5 (send blank), T4

6.1.2.6   Message sort

Please, follow the general definition.

DOCUMENT CONTROL

Version history

Version	Date	Comments
R2 v1.0	02 Oct 2009	Submitted for review version
R2 v2.0	30 Oct 2009	Changes after IDM and Submitted for Approval version
R2 v3.0	27 Nov 2009	Approved version
R2 v4.0	26 Oct 2010	ORIS Release 5 version 1.1 changes, after WNPA meeting changes and some minor issues/improvements
R2 v5.0	18 Mar 2011	After the internal request IR021 and some minor issues/improvements
R2 v5.1	08 Jul 2011	Some minor issues
R2 v5.2	03 Oct 2011	Some minor issues
R2 v6.0	09 Jan 2012	CR5903, CR4912, IR101 and some minor issues
R2 v7.0	12 Mar 2012	CR6653, CR6655 and some minor issues
R2 v8.0	13 Apr 2012	CR7516
R2 v9.0	25 May 2012	CR9452 and some minor issues
R2 v9.1	22 Jun 2012	Some minor issues

File reference: ODF/INT042-R2-v9.1 APP (MP)

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R2 v1.0	SFR	• First version • The Shooting discipline is pending to be modified according to the new rules of competition for Modern Pentathlon.
R2 v2.0	SFA	• Submitted for approval version • After IDM meeting: ▪ All Shooting elements and all reference to Running will not be removed / changed until OMEGA send us the draft document for the new combined event (due to the new rules of competition for MP). ▪ List of participants by discipline (and update): the code E_ENTRY /E_SHOOT_BEST (best shoot score) has been deleted (it is not necessary, due to the new competition rules) from the Participant/Discipline/RegisteredEvent/EventEntry element. ▪ List of horses update: a new trigger has been added after the first event, due to the horses assigned for the second event are known just at the end of the first one, as well as for the changes that might have in reserve horses. In relation with these reserve changes, the value "N" has been included in the code E_ENTRY /E_RESERVE from the Horse/Entry element to indicate when a horse is not a reserve (with Pos=0 as its order number of the reserve horse). ▪ Start List: changed the comment for the start order of the athletes for the Riding phase in the 1st round (from 18 to 1, instead of 1 to 18) in the extension code PI_MP/MP_GROUP /MP_ATH_ID from the PhaseInfos/PhaseInfo element. Removed the comment about the number of bouts in the code PI_MP/MP_FE_GROUP from the PhaseInfos/PhaseInfo element. Added a blank value for the second pair in bouts of fencing discipline, in the extension code PI_MP/MP_FE_GROUP /MP_ID_2 from the PhaseInfos/PhaseInfo element, because the bout can have just the first one. And for the same reason, added a blank value for the second athlete in a bout of fencing discipline, in the extension code UI_MP/MP_FE_BOUT /MP_ATH_ID_2 from the UnitInfos/UnitInfo element. Modified the code UI_MP/MP_FE_BOUT from the UnitInfos/UnitInfo element to clarify the bout number and round number attributes for bouts in fencing. The bout number will be in the "Pos" attribute, the "Value" attribute has been eliminated and a new extension code MP_ROUND has been added for the Round number.
R2 v3.0	APP	• Approved version
R2 v4.0	APP	• Some minor corrections (spelling, etc). • List of horses update: Removed the code E_COAT_COLOUR from the Horse/Entry element, it is not necessary (it is the same as the horse's colour attribute). And updated the code E_MP_GENDER to clarify its description. • Event Unit Results: Merge RT Data in the PiT message, those codes that had an asterisk in RT (which will be removed from this one) and could have sense in this message. Therefore, have been included (from the RT message) the codes MP_IRM and MP_WINNER (as extensions of MP_BOUTS) for Fencing discipline, the codes MP_RANK and MP_ERANK (as extensions of MP_SPLIT) for Swimming discipline, from the element Athlete/ExtendedResults/ExtendedResult. • RT Event Unit Results: has been included the value "N" (not and has changed), besides the "Y" (yes), in the code MP_WINNER (extension of the MP_BOUTS) for Fencing discipline, in the code MP_LAST_FINISHED for Swimming discipline, and in the codes MP_CURRENT and MP_LAST_FINISHED for Riding discipline, from the element Athlete/ExtendedResults/ExtendedResult. • (IR004): Added a new attribute "Order" for the RecordIndicators/RecordIndicator element (as it is defined in the ODF Sport Messages Interface Document), in the Event Unit Results / RT Event Unit Results messages, to identify the last record. • ORIS 5 v1.1 changes (CR610): ▪ Codes: Has been added a new code CC @ObsPnl for codes of the obstacle penalties during Jumping Test event. ▪ List of horses update: Removed the codes E_OWNER_COU and E_CHARACTERISTICS from the Horse/Entry element. And included the attribute @Pos in the code E_MP_GENDER to have the order number of

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the event, from the Horse/Entry element.
Has been updated the "Trigger and Frequency".

- Removed (in the whole document) all the Shooting elements as well as all the references to the Running have been renamed to Combined, due to the competition format for MP has been changed and a new combined running/shooting discipline has been introduced, in the Start List, Event Unit Results, Event Final Ranking, Records, Discipline Configuration and RT Event Unit Results messages.
- Historical records (and the update) / Records: And for the same reason the comments of the "Result" attribute of the element Record /RecordType /RecordData has been updated to the expected results of the different records.
- Start List: For the Combined discipline, updated the comments of the attribute @StartOrder to include its order ("StartOrder/Bib number"), and changed the handicap time format to M:SS (from MM:SS) in the code MP_HND_TIME from the Athlete/EventUnitEntry element.
Has been updated the "Trigger and Frequency".
- Event Unit Results: Just for Jumping Test event due to new output "Results of Jumping Test", the code MP_OBSTACLE has been added, and therefore the optional element UnitInfos/UnitInfo has been included. And to have the results of the jumping for horse have been included the optional elements Competitor/ExtendedResults/ExtendedResult and its child Extensions with the added codes: MP_JUMP_OBS and its extension MP_OBS_PNL, and MP_TIME.
Has been updated the "Trigger and Frequency".
- Event Unit Results: The code MP_PNL_WARMUP for Riding discipline has been included (like in RT Results message) from the element Athlete /ExtendedResults /ExtendedResult.
- Event Unit Results: Just for Combined discipline due to new output "Results (Combined Running/Shooting)", the code MP_RN_TIME (as total running time) and the code MP_SH_TIME (as total shooting time) have been added in the Athlete/ExtendedResults/ExtendedResult element.
- Event Unit Results: Added new codes just for Combined discipline due to new output "Detailed Results (Combined Running/Shooting)" in the Athlete /ExtendedResults /ExtendedResult element: MP_SH_STATION (as shooting station), MP_SHOT and its extensions (as athlete's shot details - shot status, cumulative shot time and shot time- at each shot of each split, except for the last one), and, MP_TOT_SHOTS and its extensions (as totals of shots -total valid shots, total missed shots and total shots, and averages time of valid shots, of missed shots and by total shots- for the athlete).
- Event Final Ranking: Has been updated the "Trigger and Frequency".
- Records: Has been updated the Trigger and Frequency.
- Discipline Configuration: Included the code MP_SPLIT for the Combined discipline besides for the Swimming, and it has been updated according to each discipline. And the code MP_DISTANCE extension of MP_SPLIT also has been updated to include a comment for the combined discipline.
- Event Unit Results / RT Event Unit Results: Added the code MP_SPLIT and its extensions (as athlete results at each split -except for the last one- for the Combined discipline -running time, cumulative split time at running (and its order), number of valid, missed and total shots, shooting time and cumulative split time at shooting (and its order)-), in the Athlete /ExtendedResults /ExtendedResult element.
- Event Unit Results / RT Event Unit Results: Updated the optional element RecordIndicators/RecordIndicator from the section "Message Structure", to indicate that also applies to the new discipline phase Combined.
- Event Unit Results / RT Event Unit Results: Changed the value time format of the codes related to Riding discipline since the time format has changed to SSS.tt (from SS.tt).
- Event Unit Results / RT Event Unit Results: The type ER_MP_RN has been changed to ER_MP_CO for Combined discipline in the element Athlete/ExtendedResults/ExtendedResult, and updated as well its codes to be used in this new discipline. In addition the code MP_TIME has been renamed to MP_F_TIME to have the final time achieved in the Combined.

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		▪ RT Event Unit Results: Removed the code MP_LAST_FINISHED for Combined, it is not necessary now. Has been updated the Trigger and Frequency. • Changes after WNPA meeting: 　▪ List of participants by discipline (and update) / Start List: The Bib attribute value has been changed from Numeric to String. 　(IR003): 　▪ Event Unit Results / Event Final Ranking / RT Event Unit Results: Added the attribute "RankEqual" (as it is defined in the ODF Sport Messages Interface Document) in these messages to identify if the Rank is equalled. 　▪ Event Unit Results / RT Event Unit Results: For the same reason to indicate if any rank is equalled have been added the code MP_ERANK as extension of MP_SPLIT for the Swimming discipline from the element Athlete/ExtendedResults/ExtendedResult.

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R2 v5.0	APP	• Applied all comments of the document review form (DRF):

• Applied all comments of the document review form (DRF):
- Codes: CC @IRM: Eliminated the comment in the code "EL" (so, it is possible in riding).
  CC @ResultType: Updated the code TIME to be used for the Jumping Test.
- List of horses update: Updated the value of the code E_DESC to S(25). The description of the code E_MP_GENDER has been updated to Events to which the selected horse is assigned. The codes E_MP_GENDER and E_RESERVE are expected after the Jumping test event. Added a new code E_SELECTED to indicate when the horse is selected as a competition horse.
- Start List: Changed the format of the attribute @StartOrder from Numeric to (N(4), or, N(2)+N(2) for Swimming and Riding disciplines phases). Removed the code EUE_MP/MP_FE_DRAW (Draw Number for pairs in Fencing discipline), it is redundant. So, the element Start /Competitor /EventUnitEntry has been removed from the "Message Structure" section. Removed the code EUE_MP/MP_FE_PISTE from the element /Athlete /EventUnitEntry (it is redundant), and updated the description of the code EUE_MP/MP_ROUND that is only expected for Riding. Updated the description of the attribute @Pos of the code PI_MP /MP_FE_GROUP as a sequential number to indicate different bouts but for all rounds (and not for every round).
- Event Unit Results (for Jumping Test event): Updated the comment of the attribute @SortOrder to include it is by the horse number. Removed the code ER_MP_EQ/MP_TIME as Time result achieved by the horse in the Jumping Test, from the element Competitor /ExtendedResults /ExtendedResult, it is redundant. And included this time as result for the Jumping Test in the @Result attribute as well as the code TIME in the @ResultType attribute.
- RT Event Unit Results: Removed some expected triggers: the T9 for the code UI_MP_SW/MP_CURRENT_SPLIT, the T7 for the codes PI_MP_FE/MP_CURRENT_ROUND and UI_MP_FE /MP_CURRENT_BOUT_CC @Piste, and the T11 for the code UI_MP_SW/MP_CURRENT_HEAT.
- RT Event Unit Results - Updated the Trigger and Frequency: The triggers T8, T12, T14 and T19 (when each discipline is over) have been removed. And the RecordIndicator element has been updated to the expected trigger T18 (instead of T19).
- RT Event Unit Results: Have been distributed the extension codes of the code ER_MP_CO/MP_SPLIT as they are expected for T15 (MP_R_TIME, MP_CUM_R_TIME, MP_R_ORDER), for T16 (MP_V_SHOTS, MP_M_SHOTS, MP_T_SHOTS) and for T17 (MP_S_TIME, MP_CUM_S_TIME, MP_S_ORDER).

• Start List: Changed the key attribute (from @Value to @Pos) for the code MP_GROUP.

• (IR021) after WNPA meeting:
- Added the cumulative messages (PiT and RT) with some data defined in the Event Final Ranking (DT_RANKING) message, because the trigger for this message (DT_RANKING) was defined as "After each event".
- Event Final Ranking: Updated the "Trigger and Frequency", the "Message Structure" and "Message Values" sections accordingly.

• (IR022) after WNPA meeting - Changed the triggers and frequency as revision: only applied for Event Unit Results message: the triggers for INTERIM and PARTIAL statuses have been removed.

• RT Event Unit Results - Updated the "Trigger and Frequency":
- Removed the triggers: T6 (at the end of each bout in Fencing) for the attributes @Rank and @SortOrder, they are only necessaries at the end of each round (T7), and T10 (when an athlete completes a split in Swimming) for the attribute @Rank, it is only necessary at the end of each heat (T11).
- Included the trigger: T4 (when a competitor obtains an invalid result mark) for the attribute @SortOrder.
- Changed the triggers description: T5 to "Trigger at the beginning of each round (in Fencing and Riding)" (from "… at the beginning of the round

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		(initial round in Fencing and Riding)"), and T15 to "Trigger when a competitor completes a split (in Combined)" (from "…when a competitor enters a shooting range").

- Added the T20 trigger as "Trigger at the beginning of each rider (in Riding)" for the code ER_MP_EQ/MP_CURRENT from the element Athlete/ExtendedResults/ExtendedResult, to be expected.

- RT Event Unit Results: The trigger T7 has been removed from the code ER_MP_FE/MP_BOUTS from the element Athlete /ExtendedResults /ExtendedResult, it is not necessary.
- Event Unit Results: The code ER_MP_CO/MP_SHOT has been updated the split as shooting/running range (instead of running/shooting) and it is expected for all split points (including the last).
- Discipline Configuration: The code EC_MP/MP_SPLIT has been updated the split as shooting/running range (instead of running/shooting) and it is defined for all split points (including the last).
- Event Unit Results / RT Event Unit Results:
    - Updated the code ER_MP_SW /MP_SPLIT to be send expected for all splits (including the last) to have the rank at the end of the heat.
    - The code ER_MP_CO/MP_SPLIT has been updated the split as shooting/running range (instead of running/shooting) and it is expected for all split points (including the last).

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R2 v5.1	APP	• List of horses update: A trigger has been added and description for E_ENTRY /E_SELECTED code has been updated. • RT Event Unit Results / RT Cumulative Results: Asterisks have been removed, some triggers have been updated and comments about ResultStatus have been updated. • MP_DIFF code comment has been modified because it should not be sent after combined.
R2 v5.2	APP	• All RankEqual comments have been updated. • Start List: ▪ The comment "except Fencing" has been added to describe the Start /Competitor /Composition /Athlete /EventUnitEntry element. • Event Unit Results: ▪ Description of MP_BOUTS has been updated. • RT Event Unit Results: ▪ Trigger T23 has been removed as it was redundant with T11. UI_MP_SW /MP_CURRENT_SPLIT code is now sent for trigger T10 and T11. ▪ Comment "of the first competitor" has been added in UI_MP_SW /MP_CURRENT_SPLIT description. ▪ Trigger has been changed to T6 for Result /Rank. ▪ PI_MP_FE /MP_CURRENT_ROUND should also be sent for trigger T7. ▪ MP_RANK, MP_ERANK and MP_TIME codes should be sent only for trigger T10. ▪ ER_MP_EQ /MP_TIME code should be sent only for trigger T13. • RT Cumulative Results: ▪ Trigger T7 has been removed and replaced by T6. ▪ All references to T14 have been removed as this trigger doesn't exist anymore. ▪ In CumulativeResult /ResultItems /ResultItem /Result element, attributes Rank, RankEqual and SortOrder should also be sent for T4.
R2 v6.0	APP	• IR101: DT_SERIAL message added in the PiT messages. • List of participants: ▪ E_ENTRY /E_PB code has been removed as it is not necessary. • List of horses update: ▪ CR5903: E_ENTRY /E_DESC value has been changed from S(25) to S(1000). • Discipline Configuration: ▪ EC_MP /MP_SPLIT /MP_DISTANCE value has been updated to N(4). • Event Unit Results and RT Event Unit Results: ▪ A specification has been added because for Fencing, the Rank should be sent as soon as the competition starts. ▪ CR4912: ER_MP_CO /MP_F_TIME, ER_MP_CO /MP_SPLIT /MP_CUM_R_TIME and MP_CUM_S_TIME values have been updated. • Cumulative Results and RT Cumulative Results: ▪ CR4912: ER_MP /MP_DIFF code should not be sent after Combined discipline. ▪ A specification has been added because for Fencing, the Rank should be sent as soon as the competition starts. • RT Event Unit Results: ▪ Comment "Send with "=" for equalled ranks" has been removed as it is not used anymore. ▪ The trigger expected has been changed for some Result attributes. ▪ CR5903: Trigger T20 has been updated because it should specify that it is the point where the competitor comes into the field of play, and not when the competitor has already started their run. ▪ CR5903: Trigger T22 has been updated so that if an athlete receives any kind of penalty during FE (yellow card) or the other disciplines, automatically the DT_RT_RESULT is generated. ▪ CR4912: PI_MP_FE /MP_CURRENT_ROUND code has been removed and UI_MP_FE /MP_CURRENT_ROUND_CC @Piste code has been added. • RT Cumulative Results: ▪ A comment has been added in ER_MP /MP_DIFF to let clear that it should

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		be sent blank with trigger T5.
R2 v7.0	APP	• CR6653: ▪ Event Unit Results and RT Event Unit Results: ER_MP_SW /MP_HEAT_RANK and /MP_HEAT_ERANK codes have been added to know the Final rank and the rank equaled for the heat. • CR6655: ▪ Trigger T20 has been added to the following elements: ER_MP_EQ /MP_PNL_WARMUP, MP_PNL_TIME, MP_PNL_OBS and MP_PNL_OTH. • List of participants: ▪ InternationalFederationId: UIPM code has been changed to UIPM Licence ID and attribute is now Optional. ▪ Added E_ENTRY/ E_SUBSTITUTE • Event Final Ranking: ▪ The comment "do not sent after combined" has been removed for ER_MP /MP_DIFF code because it doesn't make sense. • Event Unit Results and RT Event Unit Results: ▪ MP_F_TIME, MP_CUM_R_TIME and MP_CUM_S_TIME descriptions have been updated for Combined event. • RT Event Unit Results: ▪ T5 trigger has been updated because it is for each piste. ▪ T19 has been created and will be used for ER_MP_CO /MP_SPLIT /MP_S_TIME. ▪ UI_MP_FE /MP_CURRENT_ROUND_CC @Piste should not be sent with trigger T7. ▪ ER_MP_EQ /MP_CURRENT comment has been updated to "Y" when the rider enters the field of play and "N" when he/she finishes riding. • RT Cumulative Results: ▪ Trigger T4 has been added to ER_MP /MP_DIFF code.
R2 v8.0	APP	• CR7516: ▪ Event Unit Results & RT Event Unit Results: element Result /RecordIndicators /RecordIndicator has been updated. ▪ Cumulative Results & RT Cumulative Results: element CumulativeResult /RecordIndicators /RecordIndicator has been updated.
R2 v9.0	APP	• CR9452: ▪ Event Unit Results & RT Event Unit Results: ER_MP_SW /MP_HEAT_SORT code has been added to know the athlete's sort order in the SW heat. • Event Unit Results, Cumulative Results, RT Event Unit Results & RT Cumulative Results: ▪ Flagged attribute Order as deprecated in the element RecordIndicator.
R2 v9.1	APP	• Discipline configuration: ▪ It has been specified that "R" should not be sent as value for MP_LAST_PISTE.

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