INTERNATIONAL
OLYMPIC
COMMITTEE

ODF/INT105-R1-v1.3 APP

Olympic Data Feed

ODF Nordic Combined Dictionary

4 November 2011
Technology Department

INTERNATIONAL OLYMPIC COMMITTEE
Château de Vidy, 1007 Lausanne, Switzerland, Tel. +41 21 621 6111 / Fax +41 21 621 6216 / www.olympic.org

License

DOCUMENT CONTROL

Version history

Version	Date	Comments
1.0	15 July 2011	Submitted for review version
1.1	29 July 2011	SFA Version
1.2	11 August 2011	APP Version
1.3	4 November 2011	References to DTX_SCHEDULE, DTX_COMMUNICATION, DTX_PARTIC_ATHLETES and DTX_PARTIC_TEAMS removed

File reference: ODF/INT105-R1-v1.3 APP

Change Log

Version	Status	Changes on version
1.0	SFR	• First version
1.1	SFA	• SFA version
1.2	APP	• APP Version
1.3	APP	• References to DTX_SCHEDULE, DTX_COMMUNICATION, DTX_PARTIC_ATHLETES and DTX_PARTIC_TEAMS removed

TABLE OF CONTENT

1. Introduction

1.1. This document

This document includes the ODF Nordic Combined Data Dictionary. This Data Dictionary refines the messages described in the ODF Light Messages Interface Document.

1.2. Objective

The objective of this document is to provide a complete and formal definition of the ODF Nordic Combined Data Dictionary, with the intention that the information message producer and the message consumer can successfully interchange the information as the Nordic Combined 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
- **NOC –** National Olympic Committee
- **ODF –** Olympic Data Feed
- **RSC –** Results System Codes
- **ODF-RT –** Olympic Data Feed Real Time
- **CC –** Cross Country
- **NC –** Nordic Combined
- **SJ –** Ski Jumping
- **WNPA –** World News Press Agencies

1.5. Related Documents

Document Reference	Document Title	Document Description

ODF/COD101	ODF Common Codes Document	This document describes the ODF codes used across the rest of the ODF documents
ODF/INT100	ODF Light Messages Interface Document	This document describes the ODF Light messages

2. Overall Perspective

2.1. Objective

The objective of this document is to focus on the formal definition of the ODF Nordic Combined 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 Light Messages Interface Document since this ODF Nordic Combined Data Dictionary is a particularization of those documents.

In the following sections, for each ODF Light 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 Nordic Combined.

Any ODF Nordic Combined 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 @IRM (The codes order provided is according to the sport rules. In case of several IRM of the same code, sort by start numbers in ascending order).	**Code**	**Description**
	LAP	Lapped
	IRF	In-Run Fall
	DSQ	Disqualified
	DNF	Did not finish
	DNS	Did not start
CC @ResultType	**Code**	**Description**
	RT_DISTANCE	Distance (in case of ski jumping training or Trial with valid results but no rank and no points)
	RT_INVALID_RESULT	Invalid Result Mark
	RT_POINTS	Points (for the ski jumping part of the competition)
	RT_TIME	Time (for the cross country part of the competition)
CC @SnowConditions	Defined in ODF Common Codes Document See entity Snow Conditions The entity's attribute to be used is Code	
CC @WeatherConditions	Defined in ODF Common Codes Document See entity Weather Conditions The entity's attribute to be used is Code	

4. Applicable Messages

The following table is a full list of all ODF messages and describes the list of messages used in Nordic Combined.

- 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 used in this sport	Message extended in this document
DTX_START_LIST	Start List	X	X
DTX_RESULT	Event Unit Results	X	X
DTX_CUMULATIVE_RESULT	Cumulative Results	X	X
DTX_RANKING	Event Final ranking	X	X
DTX_MEDALLISTS	Medallists of one event	X	X

5. Nordic Combined Data Extension

5.1. 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 in the ODF Light Messages Interface Document should be respected for the messages described in the chapter 4 of this document.

5.1.1. ODF header

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

ODF Header: DocumentCode.

5.1.2. Attributes Definition

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

5.2. Start List

5.2.1. Description

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

5.2.2. Header Values

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

5.2.3. Trigger and Frequency

Please, follow the general definition.

5.2.4. Message Structure

The optional elements defined for this message in the ODF Light Messages Interface Document that should be included in the case of Nordic Combined are:

- UnitInfo
- UnitDateTime (following the general rules for this element)
- Competitor /Composition /Athlete /EventUnitEntry
- Officials/Official
- Officials/Official/ExtOfficial

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

5.2.5. Message Values

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

Element	Attribute	M/O	Value	Comments
Start	StartOrder	M	Numeric	Competitor's (start order according to the Sport Rules in each event.
	SortOrder	M	Numeric	Same as @StartOrder
Start /Competitor /Composition /Athlete	Bib	M	N(3) 990	Skier bib number.
	Order	M	Numeric	
Official	Function	M	CC@Functions	Send the function code
	Order	M	Numeric	Order of the Officials following the Sports Rule

The following table describes in more detail the UnitInfo element.

Element: UnitInfo			
Type	**Code**	**Value**	**Description**
UI_NC	NC_COURSE_NAME	String	For @Type: Send proposed type
			For @Code: Send proposed code for course name
			For @Value: Course name
	NC_HEIGHT_DIFF	N(4) 9990	For @Type: Send proposed type
			For @Code: Send proposed code for height difference in meters
			For @Value: Height difference in meters
	NC_MAX_CLIMB	N(4) 9990	For @Type: Send proposed type
			For @Code: Send proposed code for maximum climb in meters
			For @Value: Maximum climb in meters
	NC_TOT_CLIMB	N(4) 9990	For @Type: Send proposed type
			For @Code: Send proposed code for total climb in meters
			For @Value: Total climb in meters
	NC_LENGTH_LAP	N(5) 99990	For @Type: Send proposed type
			For @Code: Send proposed code for length of lap in meters
			For @Value: Length of lap in meters
	NC_NUMBER_LAPS	N(3) 990	For @Type: Send proposed type
			For @Code: Send proposed code for number of laps
			For @Value: Number of laps
	NC_HILL_SIZE	N(3) 999	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Hill size in meters
	NC_K_POINT	N(3) 999	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: K-point in meters
	NC_METER_VALUE	N(2).N(1)	For @Type:

		90.0	Send proposed type
			For @Code: Send proposed code
			For @Value: Points / m
	NC_SECONDS_POINT	N(3) 990	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Seconds per point
	NC_POINTS_MINUTE	N(3) 990	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Points per minute
	NC_LENGTH	N(4) 9990	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Length of course in meters
	NC_ALTITUDE	N(4) 9990	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Altitude in meters

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

Type /Code	Description	Expected
UI_NC /NC_COURSE_NAME	Course name	Always for cross country event units
UI_NC /NC_HEIGHT_DIFF	Height difference in meters	Always for cross country event units
UI_NC /NC_MAX_CLIMB	Maximum climb in meters	Always for cross country event units
UI_NC /NC_TOT_CLIMB	Total climb in meters	Always for cross country event units
UI_NC /NC_LENGTH_LAP	Length of laps in meters	Always for cross country event units
UI_NC /NC_NUMBER_LAPS	Number of laps	Always for cross country event units
UI_NC /NC_HILL_SIZE	Hill size in meters	Always for ski jumping event units
UI_NC /NC_K_POINT	K-point in meters	Always for ski jumping event units
UI_NC /NC_METER_VALUE	Points / m	Always for ski jumping event units
UI_NC /NC_SECONDS_POINT	Seconds per point	Always for ski jumping event units
UI_NC /NC_POINTS_MINUTE	Points per minute	Always for ski jumping event units
UI_NC / NC_LENGTH	Length of course in meters	Always for cross country event units
UI_NC / NC_ALTITUDE	Altitude in meters	Always for cross country event units

The following table describes in more detail the ExtOfficial element in the case of Nordic Combined.

Element: Officials/Official/ExtOfficial			
Type	**Code**	**Value**	**Description**
EO_NC	NC_POSITION	S(2)	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Position of the Judge, i.e. A, B, C, SC,…

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

Type /Code	Description	Expected
EO_NC/ NC_POSITION	Position of the Judge	Always

Type /Code	Description	Expected

The following table describes in more detail the Competitor /Composition /Athlete /EventUnitEntry element in the case of Nordic Combined.

Element: Competitor /Composition /Athlete /EventUnitEntry			
Type	**Code**	**Value**	**Description**
EU_ENTRY	E_WAVE	MM:SS 90:00	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Wave start, where MM=minutes and SS=seconds
	E_LANE	Numeric	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Start row
	E_START_BEHIND	MM:SS 90:00	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Start behind for the competitor, where MM=minutes and SS=seconds

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

Type /Code	Description	Expected
EU_ENTRY /E_WAVE	Wave start	Send just if wave start in cross country individual event units
EU_ENTRY /E_LANE	Lane number	It must be sent in the case of the cross country individual event units
EU_ENTRY /E_START_BEHIND	Start behind time	Always, in the case of cross country start lists

5.2.6. Message sort

Please, follow the general definition.

5.3. Event Unit Results

5.3.1. Description

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

5.3.2. Header Values

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

5.3.3. Trigger and Frequency

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

- Once the first competitors arrive in the cross country races (depending on the event), the message will be sent with partial results
    - ResultStatus in the headers will have the value “PARTIAL”
    - The message will be resent with partial results every 10 minutes until the last competitor completes the race.

Then proceed with unofficial and official results, as expected.

5.3.4. Message Structure

The optional elements defined for this message in the ODF Light Messages Interface Document that should be included in the case of Nordic Combined are:

- UnitDateTime (following the general rules for this element, however being @EndDate mandatory)
- UnitInfo
- Competitor /Composition /Athlete /ExtendedResults /ExtendedResult in the case of individual event units

5.3.5. Message Values

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

Element	Attribute	M/O	Value	Comments
Result	Rank	O	Numeric	Rank value for the particular event unit
	ResultType	M	CC @ResultType	Result type, either Time (cross country units), points or distance (ski jumping units), or IRM for the corresponding event unit

Element	Attribute	M/O	Value	Comments
	IRM	O	CC @IRM	IRM for the particular event unit Send just in the case @ResultType is the code including Invalid Rank Mark (see codes section)
	Result	O	HH:MM:SS.t 99:99:90.0 (for the cross country units) Or N(4).N(1) 9990.0 (for the ski jumping units)	Result for the particular event unit. Send just in the case @ResultType is Time (for the cross country units), Points (for the ski jumping units) or Distance (in Training and Trial events in meters) HH is hours MM is minutes, SS is seconds, t is tenth of second
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular event unit, 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.
Result/ Competitor/ Composition/ Athlete	Bib	M	Numeric	Athlete's bib number

Send UnitDateTime including also the @EndDate attribute

The following table describes in more detail the UnitInfo element in the case of Nordic Combined.

Element: UnitInfo			
Type	**Code**	**Value**	**Description**
UI_RACE_CONDITIONS	RC_AIR_TEMPERATURE	(-)N(2).N(1) (-)90.0	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Temperature in centigrade degrees (in case of positive temperature, do not send '+').
UI_WEATHER_CONDITIONS	CC @WeatherConditions		For @Type: Send proposed type
			For @Code: Send one of the codes regarding to the weather conditions
			For @Value:

			Do not send anything
UI_SNOW_CONDITIONS	CC @SnowConditions	(-) N(2).N(1) (-)90.0	For @Type: Send proposed type
			For @Code: Send one of the codes regarding to the weather conditions
			For @Value: Snow temperature in centigrade degrees. It is optional and will be informed just if known. In this case, the snow condition will arrive in the @Code attribute, while the Snow temperature in the @Value attribute

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

Type /Code	Description	Expected
UI_RACE_CONDITIONS /RC_AIR_TEMPERATURE	Temperature in centigrade degrees	Always
UI_WEATHER_CONDITIONS /CC @WeatherConditions	Weather conditions in the @Code attribute	Always
UI_SNOW_CONDITIONS /CC @SnowConditions	Snow conditions in the @Code attribute, while snow temperature in centigrade degrees in the @Value attribute	Always, if available

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

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult				
Type	**Code**	**Pos**	**Value**	**Description**
ER_NC	NC_ DIFF		+HH:MM:SS.t +99:99:90.0 Or “0.0”	For @Type: Send proposed type
				For @Code: Send proposed code
				For @Pos: Do not send anything
				For @Value: Cumulative results time difference for the single athlete (for Result @Rank=1, send “0.0”, however) HH is hours MM is minutes, SS is seconds, t is tenth of second
	NC_FF			For @Type: Send proposed type
				For @Code: Send proposed code for photo finish
				For @Pos: Do not send anything
				For @Value: Do not send anything
	NC_LENGTH		N(4).N(1)	For @Type:

			9990.0	Send proposed type
				For @Code: Send proposed code
				For Pos: Do not send anything
				For @Value: Send jump length in meters, with one decimal digit
	NC_LENGTH_POINTS		N(4).N(1) 9990.0	For @Type: Send proposed type
				For @Code: Send proposed code
				For Pos: Do not send anything
				For @Value: Send points for length, with one decimal digit
	NC_SPEED		N(4).N(1) 9990.0	For @Type: Send proposed type
				For @Code: Send proposed code
				For Pos: Do not send anything
				For @Value: Speed in km/h, with one decimal digit
	NC_JUMP_POINTS		N(4).N(1) 9990.0	For @Type: Send proposed type
				For @Code: Send proposed code
				For Pos: Do not send anything
				For @Value: Send points for jump, with one decimal digit
	NC_JUDGE	Numeric	N(2).N(1) 90.0	For @Type: Send proposed type
				For @Code: Send proposed code
				For Pos: Send judge number from 1 to 5
				For @Value: Send points from the judge identified by @Pos, with one decimal digit
	NC_JUDGES		N(2).N(1) 90.0	For @Type: Send proposed type
				For @Code: Send proposed code
				For Pos: Do not send anything
				For @Value: Send total points from judges, with one decimal digit
	NC_RULE		Text	For @Type: Send proposed type
				For @Code: Send proposed code
				For @ Pos: Do not send anything
				For @Value: Rule Number
	NC_RULE_TEXT		Text	For @Type: Send proposed type
				For @Code: Send proposed code
				For @ Pos: Do not send anything

				For @Value: Rule text
	NC_GATE		S(6)	For @Type: Send proposed type
				For @Code: Send proposed code
				For @ Pos: Do not send anything
				For @Value: Start Gate position
	NC_RANK_SPEED		Numeric	For @Type: Send proposed type
				For @Code: Send proposed code
				For @ Pos: Do not send anything
				For @Value: Rank for the speed overall
	NC_RANK_GATE		Numeric	For @Type: Send proposed type
				For @Code: Send proposed code
				For @ Pos: Do not send anything
				For @Value: Rank for distance, within all jumpers started from the same gate
	NC_RANK_DISTANCE		Numeric	For @Type: Send proposed type
				For @Code: Send proposed code
				For @ Pos: Do not send anything
				For @Value: Rank for the jump distance overall

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

Type /Code	Description	Expected
ER_NC /NC_DIFF	Event unit's result time difference (single athlete)	Always, just for individual event units (if scored round)
ER_NC /NC_FF	Photo finish	Send just in case of photo finish in cross country individual event units
ER_NC /NC_LENGTH	Jump length in meters	Always in the case of ski jumping event units
ER_NC /NC_LENGTH_POINTS	Points for length	Just in competition rounds of sky jumping event units (first round and final round)
ER_NC /NC_SPEED	Speed in km/h	Always in the case of ski jumping event units
ER_NC /NC_JUMP_POINTS	Points for jump	Just in competition rounds of sky jumping event units (first round and final round)
ER_NC /NC_JUDGE	Points for a particular judge	Just in competition rounds of sky jumping event units (first round and final round)
ER_NC /NC_JUDGES	Total points from judges	Just in competition rounds of sky jumping event units (first round and final round)
ER_NC/NC_RULE	Rule Text of Disqualification	Just in case of Disqualification
ER_NC/NC_RULE_TEXT	Rule Number of Disqualification	Just in case of Disqualification
ER_NC/NC_GATE	Start Gate position	Always in the Training and Trial event units of sky jumping event
ER_NC/NC_RANK_GATE	Rank for distance, within all jumpers started from the same gate	Always in the Training and Trial event units of sky jumping event
ER_NC/NC_RANK_SPEED	Rank for the speed overall	Always in the Training and Trial events

ER_NC/NC_RANK_DISTANCE	Rank for the jump distance overall	Always in the Training and Trial event units of sky jumping event

5.3.6. Message sort

Please, follow the general definition.

5.4. Cumulative Results

5.4.1. Description

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

5.4.2. Header Values

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

The cumulative results message will be both, after event unit and after phase:

- This cumulative results message is after event unit (Subtype and DocumentSubtype header attributes should be at event unit level) in the case of Individual Gundersen (Ski Jumping). However, it does only apply to competition phases.
- This cumulative results message is after phase unit (Subtype and DocumentSubtype header attributes should be at phase level) when each one of the two phases, Ski jumping or cross Country, finish.

5.4.3. Trigger and Frequency

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

- Once the first competitors arrive in the cross country races (depending on the event), the message will be sent with partial results
    - ResultStatus in the headers will have the value “PARTIAL”
    - The message will be resent with partial results every 10 minutes until the last competitor completes the race.

Then proceed with unofficial and official results, as expected.

5.4.4. Message Structure

The optional elements defined for this message in the ODF Light Messages Interface Document that should be included in the case of Nordic Combined are:

- Competitor /Composition /Athlete /ExtendedResults /ExtendedResult in the case of individual competition.

5.4.5. Message Values

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

Element	Attribute	M/O	Value	Comments

Element	Attribute	M/O	Value	Comments
CumulativeResult	Rank	O	Numeric	Cumulative rank of the competitor after the finalisation of the current event unit (or phase), so it takes into account the previous event units (or phases). This attribute is optional because the skier may have got an invalid rank mark.
	ResultType	M	CC @ResultType	Result type, either points, time or IRM for the corresponding cumulative results
	IRM	O	CC @IRM	IRM after the finalisation of the current event unit (or phase). It will depend on the results of all the event units (or phases) up to the moment of the message sending. Send just in the case @ResultType is IRM (see codes section)
	Result	O	N(4).N(1) 9990.0 For cumulative results at event unit level (ski jumping) Or HH:MM:SS.t 99:99:90.0 For cumulative results at phase level	Result points after the finalisation of the current event unit (or phase). Points with one decimal digit. Send just in the case @ResultType is Points (at event unit level) or Time (at phase level)
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results after the finalisation of the current event unit (or phase), if they were to be presented. It is mostly based on the rank, but it could be used to sort out rank ties as well as results without rank. SortOrder should also take care of IRM rules (please, refer to CC @IRM)
ResultItems /ResultItem	Phase	M	S(1)	Phase code of the latest RSC schedule item
	Unit	O	S(2)	Unit code of the latest RSC schedule item to which the cumulative results is updated to.
ResultItems /ResultItem/Result	Use the same attributes of the element Result than had been defined in the Event unit Result message			

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

Element: Competitor /Composition /Athlete /ExtendedResults /ExtendedResult				
Type	**Code**	**Pos**	**Value**	**Description**
ER_NC	NC_DIFF		+HH:MM:SS.t +99:99:90.0 Or	For @Type: Send proposed type
				For @Code: Send proposed code

			“0.0”	For @Pos: Do not send anything
				For @Value: Cumulative results time difference for the single athlete (for Result @Rank=1, send “0.0”, however) HH is hours MM is minutes, SS is seconds, t is tenth of second
	NC_RULE		Text	For @Type: Send proposed type
				For @Code: Send proposed code
				For @ Pos: Do not send anything
				For @Value: Rule text

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

Type /Code	Description	Expected
ER_NC /NC_DIFF	Cumulative result time difference (single athlete) for the event unit of phase	Always, just for individual competition (if scored round)
ER_NC/NC_RULE	Rule of Disqualification	Just in case of Disqualification

5.4.6. Message sort

Please, follow the general definition.

5.5. Event Final Ranking

5.5.1. Description

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

5.5.2. Header Values

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

5.5.3. Trigger and Frequency

The message will be triggered as soon as some ranking positions are definitive (not waiting for the bronze or gold medal games). Please, follow the general definition in this way.

5.5.4. Message Structure

There are not optional elements defined for this message in the ODF Light Messages Interface Document that should be included in the case of Nordic Combined.

5.5.5. Message Values

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

Element	Attribute	M/O	Value	Comments
Result	Rank	O	Numeric	Final rank of the competitor in the corresponding event. This attribute is optional because the competitor could get an invalid rank mark.
	ResultType	M	CC @ResultType	Result type, either time or IRM (or both time+IRM) for the corresponding event.
	IRM	O	CC @IRM	IRM for the particular event Send just in the case @ResultType is IRM, or both time and IRM (see codes section).
	Result	O	HH:MM:SS.t 99:99:90.0	Final result for the particular event Send HH:MM:SS.t just in the case @ResultType is Time, or both Time and IRM (see codes section) HH is hours MM is minutes, SS is seconds, t is tenth of second
	SortOrder	M	Numeric	This attribute is a sequential number with the order of the results for the particular 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.

Element	Attribute	M/O	Value	Comments
Result/ Competitor/ Composition/ Athlete	Bib	M	Numeric	Athlete's bib number

The following table describes in more detail the Competitor /Composition /Athlete /ExtendedResults /ExtendedResult element (for individual events).

Type	Code	Value	Description
ER_NC	NC_DIFF	+HH:MM:SS.t +99:99:90.0 Or "0.0"	For @Type: Send proposed type
			For @Code: Send proposed code
			For @Value: Event's time difference for the single athlete (for Result @Rank=1, send "0.0", however) HH is hours MM is minutes, SS is seconds, t is tenth of second

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

Type /Code	Description	Expected
ER_NC /NC_DIFF	Event's result time difference (single athlete)	Just for individual events (if scored round)

5.5.6. Message sort

Please, follow the general definition.

This page has been intentionally left blank