

Explanation of the FIS Data Exchange XML Protocol

Cup Standings

Version 2.2

20.11.2018

Written by FIS IT

INTERNATIONAL SKI FEDERATION
FEDERATION INTERNATIONALE DE SKI
INTERNATIONALER SKI VERBAND

Blochstrasse 2; CH- 3653 Oberhofen / Thunersee; Switzerland

Telephone: +41 (33) 244 61 61

Fax: +41 (33) 244 61 71

Website: www.fis-ski.com

Table of content

General	3
Structure of XML	6
<Fisresults>	6
<Cup>	6
<CUPInfo>	7
<CUPclassified>	10
Example cup standing	13
Document Control	3

Document Control

Version History	Description
Version 2.0 (27.11.2012)	Update of version 1
Version 2.1 (10.12.2013)	add file name definition
Version 2.2 (20.11.2018)	Update Nationcup, corrections, add XML description version

General

This document provides an explanation of the protocol used for the FIS Data Exchange for start lists, intermediate results, results and standings.

Version 1 of XML description still is valid but will be deprecated and exists separated from version 2.

Encoding of the XML result file should be in UTF8.

If optional elements are used (not empty) they should at least contain the required child elements.

Language for the content is English and characters for data content should be only Latin letters.

Please note that the examples do not need be correct in terms of data but should only show the XML structure.

Email

Send the results to results@fisski.com. (alpineresults@fisski.com is also valid)

The subject of the email should contain for easy email identification the NSA code and race codex but not any special characters (. / , - : ; () & % \$ § “ ! ? etc.) and should also not be empty.

Example email subject: AUT1234

File name of the xml files: <NSA code><race codex (4 digits)>.xml

Example XML file name: AUT1234.xml

Result XML files can be sent as one file or also more than one file within one email. Files can be also sent packed in ZIP file. The ZIP should only contain the result file(s) but no folders or hidden system files.

Support

For support requests, questions and feedbacks please contact the FIS IT department: it@fiski.com.

A support request for a certain race should at least contain the FIS race codex and a short description of the issue. Preferred support language is English.

Structure of XML

<Fisresults>

The general term for the results of all FIS competitions, root element

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
XMLversion				Version number of the Timing Report XML description which the software supports	string		optional
Cup			CUPInfo CUPclassified				required

<Cup>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
CUPInfo	Sector	AL Alpine CC Cross Country FS Feestyle Skiing GS Grass Skiing JP Ski Jumping NK Nordic Combined SB Snowboard TM Telemark SS Speed Skiing	Season CUPSex CUPID Discipline Standingdate CUPraces	Information to define each cup. The following information is applicable to all sectors (FIS disciplines)			required
CUPclassified			CUPstandings	Information about the results of a cup			required

<CUPInfo>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional																																																
Season				Season, ie. 2012 for Juni 2011 - May 2012	integer		required																																																
CUPSex				The unique identification number for each competition with the sector (latest details can be found in the calendar section of the FIS website)	Integer	M Men L Ladies A Overall	required																																																
CUPID				The three letter FIS code for the organising nation (latest details can be found in the calendar section of the FIS website)	string	According category provided in FIS calendar NC Nation Cup NC-WC World Cup Nation Cup NC-GP Grand Prix Nation Cup	required																																																
Discipline				The respective discipline to the sector	string	<table border="1"> <tr> <td></td> <td>ALL</td> <td>Overall</td> </tr> <tr> <td rowspan="2">CC</td> <td>DI</td> <td>Distance</td> </tr> <tr> <td>SP</td> <td>Sprint</td> </tr> <tr> <td rowspan="4">AL</td> <td>DH</td> <td>Downhill</td> </tr> <tr> <td>SL</td> <td>Slalom</td> </tr> <tr> <td>GS</td> <td>Giant Slalom</td> </tr> <tr> <td>SG</td> <td>Super G</td> </tr> <tr> <td rowspan="3">JP</td> <td>SC</td> <td>Super Combined</td> </tr> <tr> <td>SF</td> <td>Ski Flying</td> </tr> <tr> <td>4H</td> <td>4 Hill</td> </tr> <tr> <td rowspan="4">FS</td> <td>AE</td> <td>Aerials</td> </tr> <tr> <td>MO</td> <td>Moguls</td> </tr> <tr> <td>SX</td> <td>Ski Cross</td> </tr> <tr> <td>HP</td> <td>Halfpipe</td> </tr> <tr> <td rowspan="5">SB</td> <td>SS</td> <td>Slopestyle</td> </tr> <tr> <td>PAR</td> <td>Parallel</td> </tr> <tr> <td>AFU</td> <td>Freestyle Overall</td> </tr> <tr> <td>HP</td> <td>Halfpipe</td> </tr> <tr> <td>BA</td> <td>Big Air</td> </tr> <tr> <td>SBS</td> <td>Slopestyle</td> </tr> <tr> <td>SBX</td> <td>Snowboard Cross</td> </tr> </table>		ALL	Overall	CC	DI	Distance	SP	Sprint	AL	DH	Downhill	SL	Slalom	GS	Giant Slalom	SG	Super G	JP	SC	Super Combined	SF	Ski Flying	4H	4 Hill	FS	AE	Aerials	MO	Moguls	SX	Ski Cross	HP	Halfpipe	SB	SS	Slopestyle	PAR	Parallel	AFU	Freestyle Overall	HP	Halfpipe	BA	Big Air	SBS	Slopestyle	SBX	Snowboard Cross	required
	ALL	Overall																																																					
CC	DI	Distance																																																					
	SP	Sprint																																																					
AL	DH	Downhill																																																					
	SL	Slalom																																																					
	GS	Giant Slalom																																																					
	SG	Super G																																																					
JP	SC	Super Combined																																																					
	SF	Ski Flying																																																					
	4H	4 Hill																																																					
FS	AE	Aerials																																																					
	MO	Moguls																																																					
	SX	Ski Cross																																																					
	HP	Halfpipe																																																					
SB	SS	Slopestyle																																																					
	PAR	Parallel																																																					
	AFU	Freestyle Overall																																																					
	HP	Halfpipe																																																					
	BA	Big Air																																																					
SBS	Slopestyle																																																						
SBX	Snowboard Cross																																																						
Standingdate			Day Month Year				optional																																																
CUPraces			Race	Information about the contained races of the cup			optional																																																

<Standingdate>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Day				Day in numerical form: 1, 11, 21, etc.	integer		required
Month				Month in numerical form: 1, 2, 10, etc.	integer		required
Year				Year in four digit numerical form: 2000, 2001, 2002, etc.	integer		required

<CUPraces>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Race	No	Number of race in cup	Codex Place Nation Racedate	Race information			optional

<Races>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Codex				The unique identification number for each competition with the sector (latest details can be found in the calendar section of the FIS website)	integer		required
Place				Resort, town, etc. of competition venue			optional
Nation				The nation of the Resort, town, etc. using the FIS abbreviation			optional
Racedate			Day Month Year	Date of race			optional

<Racedate>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Day				Day in numerical form: 1, 11, 21, etc.	integer		required
Month				Month in numerical form: 1, 2, 10, etc.	integer		required
Year				Year in four digit numerical form: 2000, 2001, 2002, etc.	integer		required

<CUPclassified>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
CUPstandings			Rank Competitor Pointsdescend CUPdetails	Day in numerical form: 1, 11, 21, etc.	integer		required

<CUPstandings>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Rank				The competitor's position in the cup	string		required
Competitor			Fiscode Lastname Firstname Nation For Nationcup: Nationname Nation	Details of a competitor or nation			required
Pointsdescend				Total cup points, times, prize money	string		required
CUPdetails			Race	Details of the cup result			optional

<Competitor>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Fiscode				The competitor's personal and unique FIS code. Every competitor must have a valid FIS code to participate in a FIS race. This code is published on the FIS list, or in exceptional cases between the publication of lists may have been provided to the TD or organizer by the FIS Office in writing.	string		required
Lastname				The competitor's last name as it appears on the FIS list	string		required
Firstname				The competitor's first name as it appears on the FIS list	string		required
Gender				Gender of competitor	string	M = Men L = Ladies	optional
Nation				The competitor's nation using the FIS abbreviation	string		required

<Competitor> (Nationcup)

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Nationname				FIS country name	string		required
Nation				The nation using the FIS abbreviation	string		required

<CUPdetails>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Race	no	Number of race in cup	Rank Totalpoints Bonuspoints		string		required

<Race>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Rank				Rank in race	string		required
Totalpoints				Total cup points for this race	string		required
Bonuspoints				Contained bonus points in total points	string		required

Example cup standing

```

<?xml version="1.0" encoding="utf-8"?>
<Fisresults>
  <XMLversion>2.2</XMLversion>
  <Cup>
    <CUPInfo Sector="CC">
      <Season>2011</Season>
      <CUPSex>M</CUPSex>
      <CUPID>WC</CUPID>
      <Discipline>ALL</Discipline>
      <Standingdate>
        <Day>19</Day>
        <Month>11</Month>
        <Year>2010</Year>
      </Standingdate>
      <CUPraces>
        <Race no="1">
          <Codex>1234</Codex>
          <Place>Gällivare</Place>
          <Racedate>
            <Day>19</Day>
            <Month>11</Month>
            <Year>2010</Year>
          </Racedate>
        </Race>
        <Race no="2">
          <Codex>2345</Codex>
          <Place>Kuusamo</Place>
          <Racedate>
            <Day>24</Day>
            <Month>11</Month>
            <Year>2010</Year>
          </Racedate>
        </Race>
        <Race no="3">
          <Codex>3456</Codex>
          <Place>Düsseldorf</Place>
          <Racedate>
            <Day>4</Day>
            <Month>12</Month>
            <Year>2010</Year>
          </Racedate>
        </Race>
        ...
      </CUPraces>
    </CUPInfo>
  </Cup>
</Fisresults>
  
```

```

<CUPclassified>
  <CUPstandings>
    <Rank>1</Rank>
    <Competitor>
      <Fiscode>3510023</Fiscode>
      <Lastname>COLOGNA</Lastname>
      <Firstname>Dario</Firstname>
      <Nation>SUI</Nation>
    </Competitor>
    <Pointsdescend>300</Pointsdescend>
    <CUPdetails>
      <Race no="1">
        <Totalpoints>100</Totalpoints>
        <Bonuspoints></Bonuspoints>
      </Race>
      <Race no="2">
        <Totalpoints>95</Totalpoints>
        <Bonuspoints>15</Bonuspoints>
      </Race>
      <Race no="3">
        <Totalpoints>105</Totalpoints>
        <Bonuspoints>5</Bonuspoints>
      </Race>
      ...
    </CUPdetails>
  </CUPstandings>
</CUPstandings>
  <Rank>2</Rank>
  <Competitor>
    <Fiscode>3420239</Fiscode>
    <Lastname>NORTHUG</Lastname>
    <Firstname>Petter</Firstname>
    <Nation>NOR</Nation>
  </Competitor>
  <Pointsdescend>260</Pointsdescend>
  <CUPdetails>
    <Race no="1">
      <Totalpoints>80</Totalpoints>
      <Bonuspoints></Bonuspoints>
    </Race>
    <Race no="2">
      <Totalpoints>100</Totalpoints>
      <Bonuspoints></Bonuspoints>
    </Race>
    <Race no="3">
      <Totalpoints>80</Totalpoints>
      <Bonuspoints></Bonuspoints>
    </Race>
  </CUPdetails>

```

```
...
</CUPdetails>
</CUPstandings>
...
</CUPclassified>
</Cup>
</Fisresults>
```

Example nation cup standing

```

<?xml version="1.0" encoding="utf-8"?>
<Fisresults>
  <XMLversion>2.2</XMLversion>
  <Cup>
    <CUPInfo Sector="CC">
      <Season>2018</Season>
      <CUPSex>M</CUPSex>
      <CUPID>NC-WC</CUPID>
      <Discipline>ALL</Discipline>
      <Standingdate>
        <Day>19</Day>
        <Month>11</Month>
        <Year>2010</Year>
      </Standingdate>
      <CUPraces>
        <Race no="1">
          <Codex>1234</Codex>
          <Place>Gällivare</Place>
          <Racedate>
            <Day>19</Day>
            <Month>11</Month>
            <Year>2010</Year>
          </Racedate>
        </Race>
        <Race no="2">
          <Codex>2345</Codex>
          <Place>Kuusamo</Place>
          <Racedate>
            <Day>24</Day>
            <Month>11</Month>
            <Year>2010</Year>
          </Racedate>
        </Race>
        <Race no="3">
          <Codex>3456</Codex>
          <Place>Düsseldorf</Place>
          <Racedate>
            <Day>4</Day>
            <Month>12</Month>
            <Year>2010</Year>
          </Racedate>
        </Race>
        ...
      </CUPraces>
    </CUPInfo>
  </Cup>
</Fisresults>
  
```



```

<CUPclassified>
  <CUPstandings>
    <Rank>1</Rank>
    <Competitor>
      <Nationname>Switzerland</Nationname>
      <Nation>SUI</Nation>
    </Competitor>
    <Pointsdescend>300</Pointsdescend>
    <CUPdetails>
      <Race no="1">
        <Totalpoints>100</Totalpoints>
        <Bonuspoints></Bonuspoints>
      </Race>
      <Race no="2">
        <Totalpoints>95</Totalpoints>
        <Bonuspoints>15</Bonuspoints>
      </Race>
      <Race no="3">
        <Totalpoints>105</Totalpoints>
        <Bonuspoints>5</Bonuspoints>
      </Race>
      ...
    </CUPdetails>
  </CUPstandings>
  <CUPstandings>
    <Rank>2</Rank>
    <Competitor>
      <Nationname >Norway</ Nationname>
      <Nation>NOR</Nation>
    </Competitor>
    <Pointsdescend>260</Pointsdescend>
    <CUPdetails>
      <Race no="1">
        <Totalpoints>80</Totalpoints>
        <Bonuspoints></Bonuspoints>
      </Race>
      <Race no="2">
        <Totalpoints>100</Totalpoints>
        <Bonuspoints></Bonuspoints>
      </Race>
      <Race no="3">
        <Totalpoints>80</Totalpoints>
        <Bonuspoints></Bonuspoints>
      </Race>
      ...
    </CUPdetails>
  </CUPstandings>

```

```
...  
</CUPclassified>  
</Cup>  
</Fisresults>
```