

Description of the FIS Data Exchange XML Protocol Cross Country

Version 3.5

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Written by FIS IT

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Document Control

Version History	Description
Version 2.0 (20.10.2012)	Update of version 1
Version 2.1 (08.02.2013)	<CC_raceinfo/> element required
Version 2.2 (18.11.2013)	Corrected notation of Laplength
Version 2.3 (20.11.2013)	Added tags in <CC_result>: <Arrivaltime>, <Arrivalrank> and <Arrivaldiff>
Version 2.4 (10.12.2013)	add file name definition
Version 2.5 (29.10.2015)	Added new IRM DQB
Version 2.6 (19.11.2016)	Document control moved to beginning of document Type mistake page 46 for Laplength
Version 2.7 (07.03.2017)	Correction XML syntax example CC_photof p. 33
Version 3.0 (07.02.2019)	Major changes Raceheader, CC_race, CC_raceinfo, Lapped = LAP, CC_resultdetails add XML description version which the software supports update section General add more examples
Version 3.1 (08.02.2019)	Removed Member from CC_raceinfo page 11
Version 3.2 (18.03.2019)	Add missing Status for each ranked competitor in team sprint result example
Version 3.3 (01.09.2019)	Fix of data type for Usedfislist, Appliedpenalty, Calculatedpenalty
Version 3.4 (01.10.2019)	Changed Sex to Gender, Ladies to Women, Sector to Description, L = Ladies to F = Female.
Version 3.5 (03.11.2020)	Add IRM NPS = Not permitted to start

General

This document provides the definition of the XML protocol used for the FIS Data Exchange for start lists, intermediate results and results.

Version 1 and versions 2.x of XML description are still valid but will be deprecated and exists separated from version 3.

Encoding of the XML result file should be in UTF8. A DTD definition must not be used.

If optional elements are used (not empty) they should at least contain the required child elements. Foreign XML elements can be used and will be ignored from the FIS system.

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

Please note that the examples in this document do not need be correct in terms of data but should only show the XML structure. The structure of the XML file and its content will be processed and verified by FIS and a confirmation email will be sent out to the sender of the file containing the result of processing.

XML result transmission

Results XML files must be sent by email 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.

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 as ZIP file. The ZIP file must only contain the XML result file(s) but no folders or hidden system files and must not be password protected.

Support

For support requests, questions and feedbacks please contact the FIS IT department: it@fisski.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 this XML description document (see above) which the software supports	string		optional
Raceheader	Sector	CC	Season Codex Nation Discipline Category Type Eventname Place Racedate Tempunit Longunit Speedunit Windunit CC_photof	Information to define each event. The following information is applicable to all FIS disciplines. Each discipline has a specific race header with further technical data.			required
	Gender	M = Men W = Women A = Mixed					
CC_race			CC_raceinfo CC_classified CC_notclassified	Information about the race and results			required

<Raceheader>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional								
Season				Season, ie. 2012 for June 2011 - May 2012	integer		required								
Codex				The unique identification number for each competition with the discipline (latest details can be found in the calendar section of the FIS website)	Integer		required								
Nation				The three letter FIS code for the organizing nation (latest details can be found in the calendar section of the FIS website)	string		required								
Discipline				The respective discipline to the sector	string	DI Distance SP Sprint TE Team Relay Tsp Team Sprint Mar Marathon	required								
Category				The FIS abbreviation for the category of competition specific to the discipline (see appendix)	string	According category provided in FIS calendar	required								
Type				Type of content	string	<table border="1"> <tr> <td>Startlist</td> <td>Startlist</td> </tr> <tr> <td>Partial</td> <td>Partial unofficial result</td> </tr> <tr> <td>Unofficial</td> <td>Unofficial result</td> </tr> <tr> <td>Official</td> <td>Official result</td> </tr> </table>	Startlist	Startlist	Partial	Partial unofficial result	Unofficial	Unofficial result	Official	Official result	required
Startlist	Startlist														
Partial	Partial unofficial result														
Unofficial	Unofficial result														
Official	Official result														
Eventname				Name of event as published in FIS calendar	string		optional								
Place				Resort, town, etc. of competition venue	string		optional								
Racedate			Day Month Year	Date of race			optional								
Tempunit				Unit of the temperature	string	C = Celsius F = Fahrenheit K = Kelvin	optional								
Longunit				Unit of length Remark: i.e. if 'm' is long unit intermediate points in 'km' need to be send as 'm'	string	m = Meter km = Kilometer mi = Miles in = Inch y = Yard	optional								

Speedunit				Unit of speed of an athlete attempt	string	kmh = Kilometer/Hour mph = Miles/Hour ms = Meter/Second	optional
Windunit				Unit wind speed	string	ms = Meter/Second kmh = Kilometer/Hour mph = Miles/Hour kn = Knots bft = Beaufort	optional
CC_photof				Cross Country race contains photo finish ranks will not be recalculated on FIS side		empty	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 digits numerical form: 2000, 2001, 2002, etc.	integer		required

<CC_race>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
CC_raceinfo			Jury Runinfo Usedfislist Appliedpenalty Calculatedpenalty Fvalue Timingby Dataprocessingby Softwarecompany Softwarename Softwareversion	Specific technical data about each race			required
CC_classified			CC_ranked	All competitors who are classified in the competition			required
CC_notclassified			CC_notraked	All competitors who are not classified in the competition			required

<CC_raceinfo>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Jury	Function	For all competition required: CHIEFCOMPETITION TECHNICALDELEGATE For categories WC, OWG, WSC: RACEDIRECTOR RACEDIRECTORASSISTANT CHIEFCOMPETITION TECHNICALDELEGATE TECHNICALDELEGATEASSISTANT TECHNICALDELEGATEASSISTANTNATIONAL MEMBER For categories WJC: CHIEFCOMPETITION TECHNICALDELEGATE TECHNICALDELEGATEASSISTANT TECHNICALDELEGATEASSISTANTNATIONAL For categories YOG, COC, FIS CHIEFCOMPETITION TECHNICALDELEGATE TECHNICALDELEGATEASSISTANT For category UVS: RACEDIRECTOR CHIEFCOMPETITION TECHNICALDELEGATE TECHNICALDELEGATEASSISTANT TECHNICALDELEGATEASSISTANTNATIONAL	Lastname Firstname Nation	Details about the competition jury			required
Runinfo			Course Starttime Endtime Weather Statistics	Information about the run			required
Usedfislist				FIS list number which is used for the preparation of the start list and the for calculation of FIS point penalty based on the results	integer		optional
Appliedpenalty				Penalty of race which is applied. This may differ from the calculated penalty in case the calculated penalty is lower than the minimum allowed for the category of competition or above the maximum for the category of competition	decimal		optional

Calculatedpenalty				Penalty of race which is calculated	decimal		optional
Fvalue				Valid F value for the discipline according the current FIS point rules	integer		optional
Timingby				Timing or Scoring by company	string		optional
Dataprocessingby				Data processing by company	string		optional
Softwarecompany				Name of software company	string		optional
Softwarename				Name of timing/scoring software	string		optional
Softwareversion				Version of the timing/scoring software	string		optional

<Jury>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Lastname				Last name jury member	string		required
Firstname				First name jury member	string		required
Nation				Nation (FIS abbreviation) of jury member	string		required

<Runinfo>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	Required/optional
Course	No	Course number	Name HD MC TC Style Laplength Lapnumber Intermediate				optional
Starttime				Start time of the run		Time in 24h, HH:MM	required
Endtime				End time of the run		Time in 24h, HH:MM	optional, required for OWG, WSC, WC
Weather			Starttime Endtime Place Weather Temperatureair Temperaturesnow Humidity Maxwindspeed Minwindspeed Avgwindspeed Winddirection	Information about weather			optional
Statistics			Entries Ranked DSQ DQB DNS DNF NPS LAP				optional

<Course>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Name				Name of the course/lap	string		optional
HD				Height difference of the course	integer		optional
MC				Maximum climb of the course	integer		optional
TC				Total climb of the course	integer		optional
Laplength				Length of lap	integer		optional
Lapnumber				Number of laps	integer		optional
Intermediate	i	Order number of intermediate point, counts up over all courses 1-98 = intermediate points 99 = Finish	Distance	Information about intermediate timing points with order and type			optional
	type	time speed					

<Intermediate>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Distance				Distance in long unit or name of intermediate point i	string		optional

<Weather>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	Required/optional
Starttime				Start time of the round	string		required
Endtime				End time of the round	string		optional
Place				Place of weather evaluation	string		required
Weather				Description of weather conditions	string		required
Snow				Description of snow conditions	string		optional
Temperatureair				Air Temperature	decimal		required
Temperaturesnow				Snow Temperature	decimal		optional
Humidity				Air humidity	integer		optional
Maxwindspeed				Max. wind speed	decimal		optional
Minwindspeed				Min. wind speed	decimal		optional
Avgwindspeed				Avg. wind speed	decimal		optional
Winddirection				Wind direction	string	N north NNW north north west NW north west WNW west north west W west WSW west south west SW south west SSW south south west S south SSE south south east SE south east ESE east south east E east ENE east north east NE north east NNE north north east	optional

<Statistics>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Entries			Competitors Nations	Numbers of competitors and nation entered to competition in a run			optional
Ranked			Competitors Nations	Numbers of competitors and nation with results in a run			optional
DSQ			Competitors Nations	Numbers of competitors and nation disqualified in a run			optional
DNS			Competitors Nations	Numbers of competitors and nation did not start in a run			optional
DNF			Competitors Nations	Numbers of competitors and nation did not finish in a run			optional
DQB			Competitors Nations	Numbers of competitors and nation disqualified in a run			optional
NPS			Competitors Nations	Numbers of competitors and nation not permitted to in a run			optional
LAP			Competitors Nations	Numbers of competitors and nation lapped in a run			optional

<Entries>,<Ranked>,<DSQ>,<DQB>,<DNS>,<DNF>,<NPS><LAP>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Competitors				Numbers of competitors on start list in a round	integer		optional
Nations				Numbers of nation on start list in a round	integer		optional

Result for individual competition

<CC_classified>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
CC_ranked	Status	QLF = completed the race	Rank Order Bib Competitor CC_result CC_resultdetail	Details of each competitor's results			required
	Status2	LAP = lapped RAL = Ranked as last					

<CC_ranked>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Rank	Pf	y		The competitor's position in the race (If the rank was decided by a photo finish then with attribute)	integer		required
Order				The competitor's order position in the startlist	integer		required
Bib	Color	yellow red green blue white black turquoise grey (color of a leader shirt)		The competitor's starting bib from the first run	integer		required
Competitor			Fiscode Lastname Firstname Gender Nation Yearofbirth Clubname	Details of a competitor			required
CC_result			Starttime Startdiff Totaltime Arrivalrank Arrivaltime Arrivaldiff Diff Racepoints	Details of the result of the competitor			required

			Bonustime Bonuscupponts Penaltytime Level			
CC_resultdetail			Intermediate Run	Details of race 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 = Male F = Female	optional
Nation				The competitor's nation using the FIS abbreviation	string		required
Yearofbirth				The competitor's year of birth as it appears on the FIS list (i.e. 1987)	integer		optional
Clubname				Name of club of competitor	String		optional

<CC_result>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Starttime				Start time of competitor (individual races)	string	HH:MM:SS	optional
Timediff	wave	y		Start behind time (pursuit), attribute wave time	string	MM:SS	optional
Totaltime	TL	y		Total time of race, attribute time limit for stage events/ net time for pursuit races within stage events for FIS point calculation (according FIS Points Rule art. 2.4)	string	HH:MM:SS.Z(Z)	required
Diff				Time difference for total time on finish	string		optional
Racepoints				Race (FIS) points	decimal		required
Bonustime				Bonus time on finish (stage event races) in time format	string	HH:MM:SS.Z(Z)	optional
Bonuscuppoints				Bonus cup points on finish	decimal		optional
Penaltytime				Penalty time of a sanction in time format	string	HH:MM:SS.Z(Z)	optional
Arrivalrank				Rank for arrival time	string		optional
Arrivaltime				Arrival time (= total time) only for pursuit races within stage events	string	HH:MM:SS.Z(Z)	optional
Arrivaldiff				Arrival time difference on finish	string		optional
Level				Round reached (Final, Small final, 1/4 final, Semifinal, Quarter final, Eight final, qualification)	string	final smallfinal semifinal quarterfinal eightfinal qualification	optional

<CC_resultdetail>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Intermediate	i	Number of intermediate point	Time Diff Rank Sectortime Sectordiff Sectorrank Bonustime Bonuscuppoints Speed	detailed result information			optional
Run (Sprint)	no	Number of run/heat	Rank Time Diff	detailed result information about sprint heats			optional
	Level	final smallfinal quarterfinal eightfinal qualification					
	Status	RAL DNS DNF DSQ NPS					

<Intermediate>

An intermediate point can be a timing point or speed measurement point.

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Time				Cumulative time on intermediate point i	string		required
Diff				Time difference on intermediate point i	string		optional
Rank				Rank on intermediate point i	integer		required
Sectortime				Time of the last sector (last intermediate point to current intermediate point)	string		optional
Sectordiff				Time difference of a sector	String		optional
Sectorrank				Rank of the last sector	integer		optional
Bonustime				Bonus time on intermediate point (stage event races)	string		optional
Bonuspoints				Bonus cup points on intermediate point	decimal		optional
Speed				Speed on intermediate point i in speed unit (Speed can be also used without using Time, Diff and Rank on an intermediate point)	string		optional

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Speed				Speed on intermediate point i	decimal		required
Diff				Speed difference on intermediate point i	decimal		optional
Rank				Rank on intermediate point i	integer		required

<Run>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Rank	Pf	y		Rank within the run (If the rank was decided by a photo finish then with attribute)	Integer		optional
Time	LLrank	Rank of lucky loser time		Time of the run (if the time of the competitor is a lucky loser time then with attribute)	string	Time	optional
Diff				Time difference in run	string		optional

<CC_notclassified>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
CC_notranked	Status	DNS = Did not start DSQ = Disqualified DNF = Did not finish DPO = Doping offense NPS = Not permitted to start DQB = Disqualification for unsportsmanlike behavior	Bib Competitor Reason	Details of each competitor's results			optional

<CC_notranked>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Bib	Color	yellow red green blue white black turquoise grey (color of a leader shirt)		The competitor's starting bib from the first run	integer		required
Competitor			Fiscode Lastname Firstname Gender Nation Yearofbirth Clubname	Details of a competitor			required
CC_resultdetail			Intermediate Run	Details of race result			optional
Reason				Reference to ICR rule number for disqualification offence	string		optional
CC_result			Level	Details of the result of the competitor			required
Level				Round reached (Final, Small final, 1/4 final, Semifinal, Quarter Final, Eight Final, qualification)	string	final smallfinal semifinal quarterfinal eightfinal qualification	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 F = Female	optional
Nation				The competitor's nation using the FIS abbreviation	string		required
Yearofbirth				The competitor's year of birth as it appears on the FIS list (i.e. 1987)	integer		optional
Clubname				Name of club of competitor	String		optional

<CC_result>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Level				Round reached (Final, Small final, 1/4 final, Semifinal, Quarter Final, Eight Final, qualification)	string	final smallfinal semifinal quarterfinal eightfinal qualification	optional

<CC_resultdetail>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Intermediate	i	Number of intermediate point	Time Diff Rank Sectortime Sectordiff Sectorrank Bonustime Bonuspoints Speed	detailed result information for all races except sprint			optional
Run	no	Number of run	Rank Time Diff	detailed result information about sprint heats			optional
	Level	final smallfinal semifinal quarterfinal eightfinal qualification					
	Status	DSQ DNS DNF NPS RAL					

<Intermediate>

An intermediate point can be a timing point or speed measurement point.

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Time				Cumulative time on intermediate point i	string		required
Diff				Time difference on intermediate point i	string		optional
Rank				Rank on intermediate point i	integer		required
Sectortime				Time of the last sector (last intermediate point to current intermediate point)	string		optional
Sectordiff				Time difference of a sector	String		optional
Sectorrank				Rank of the last sector	integer		optional
Bonustime				Bonus time on intermediate point (stage event races)	string		optional
Bonuspoints				Bonus cup points on intermediate point	decimal		optional
Speed				Speed on intermediate point i in speed unit (Speed can be also used without using Time, Diff and Rank on an intermediate point)	string		optional

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Speed				Speed on intermediate point i	decimal		required
Diff				Speed difference on intermediate point i	decimal		optional
Rank				Rank on intermediate point i	integer		required

<Run>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Rank	Pf	y		Rank within the run (If the rank was decided by a photo finish then with attribute)	Integer		optional
Time	LLrank	Rank of lucky loser time		Time of the run (if the time of the competitor is a lucky loser time then with attribute)	string	Time	optional
Diff				Time difference in run	string		optional

Result for team competition

<CC_classified>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
CC_ranked	Status	QLF = completed the race	Rank Order Bib Team CC_result CC_resultdetail CC_team	Details of each team results			required
	Status2	LAP = lapped RAL = Ranked as last (Team Sprint)					

<CC_ranked>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Rank	Pf	y		The team position in the race (If the rank was decided by a photo finish then with attribute)	integer		required
Order				The competitor's order position in the start list	integer		required
Bib	Color	yellow red green blue white black turquoise grey		The team starting bib from the first run color = team BIB color	integer		required
Team			Fiscode Teamname Nation	Details of a team			required
CC_result			Totaltime Diff Penaltytime Level	Details of the result of the team			required
CC_resultdetail			Intermediate (Relay) Run (Team Sprint)	Details of race result			optional
CC_team			CC_ranked	Detailed result of each competitor of a team			optional

<Team>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Fiscode				The team's unique FIS code. Every team 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 publications of lists may have been provided to the TD or Organizers by the FIS Office in writing.	string		required
Teamname				The team name as it appears on the FIS list	string		required
Nation				The team nation using the FIS abbreviation	string		required

<CC_result>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Totaltime				Total time of race	string		required
Diff				Time difference on finish	string		optional
Penaltytime				Penalty time	string		optional
Level				Round reached in Team Sprint (Final, Semifinal)	string	final smallfinal semifinal	optional

<CC_resultdetail> (Relay)

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Intermediate	i	Number of intermediate point	Time Diff Rank Sectortime Sectordiff Sectorrank	i.e. intermediate times for each exchange/leg			optional

<Intermediate>

An intermediate point can be for team only a timing point.

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Time				Time on intermediate point i	string		required
Diff				Time difference on intermediate point i	string		optional
Rank				Rank on intermediate point i	integer		required
Sectortime				Time of the last sector (last intermediate point to current intermediate point)	string		optional
Sectordiff				Time difference of a sector	string		optional
Sectorrank				Rank of the last sector	integer		optional

<CC_resultdetail> (Team Sprint)

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Run	no	Number of run/heat	Rank Time Diff	result information about team sprint heats			optional
	Level	final smallfinal semifinal					

<Run>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Time				Total time of the heat	string		required
Diff				Total time difference	string		optional
Rank				Total team rank of the heat	integer		required

<CC_team>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
CC_ranked	Status	QLF = completed the race	Bib Competitor CC_resultdetail	Details of team and each competitor's results			required
	Status2	LAP = lapped RAL = Ranked as last					

<CC_ranked>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Bib	Color	red green yellow blue		The team starting bib	integer		required
	Style (only relay)	C=classic technique F=free technique					
	Leg (only relay)	Number of leg					
Competitor			Fiscode Lastname Firstname Gender Nation Yearofbirth Clubname	Details of a competitor			required
CC_resultdetail			Totaltime Diff Rank Intermediate	Details of the result of the competitor			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 publications of lists may have been provided to the TD or organizers 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 = Male F = Female	optional
Nation				The competitor's nation using the FIS abbreviation	string		required
Yearofbirth				The competitor's year of birth as it appears on the FIS list (ie. 1987)	integer		optional
Clubname				Name of club of competitor	String		optional

<CC_resultdetail> (Relay)

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Totaltime				Leg time of the competitor	string		optional
Diff				Leg time difference	string		optional
Rank				Rank according the leg time	integer		optional
Intermediate	i	Number of intermediate point	Time Diff Rank Speed				optional

<Intermediate>

An intermediate point can be a timing point or speed measurement point.

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Time				Time of the leg on intermediate point i	string		required
Diff				Time difference of the leg on intermediate point i	string		optional
Rank				Rank of the leg on intermediate point i	integer		required

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Speed				Speed on intermediate point i in speed unit	decimal		required
Diff				Speed difference on intermediate point i	decimal		optional
Rank				Speed rank on intermediate point i	integer		required

<CC_resultdetail> (Team Sprint)

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Run	no	Number of run/heat	Intermediate	result information about team sprint heats intermediate			optional
	Level	final smallfinal semifinal					

<Run>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Intermediate	i	Number of intermediate point	Time Diff Rank Speed	i.e. intermediate times for each exchange/leg			optional

<Intermediate>

An intermediate point can be a timing point or speed measurement point.

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Time				Time of the leg on intermediate point i	string		required
Diff				Time difference of the leg on intermediate point i	string		optional
Rank				Rank of the leg on intermediate point i	integer		required

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Speed				Speed on intermediate point i in speed unit	decimal		required
Diff				Speed difference on intermediate point i	decimal		optional
Rank				Speed rank on intermediate point i	integer		required

<CC_notclassified>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
CC_notranked	Status	DNS = Did not start DSQ = Disqualified DNF = Did not finish DPO = Doping offense NPS = Not permitted to start DQB = Disqualification for unsportsmanlike behavior	Bib Team CC_team CC_resultdeatils Reason Level	Details of each team result			optional

<CC_notranked>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Bib				The team starting bib from the first run	integer		required
Team			Fiscode Teamname Nation	Details of a team			required
CC_result			Level	Details of the result of the team			required
CC_resultdetail			Intermediate Run	Details of the result of the competitor			optional
CC_team			CC_notranked				optional
Reason				Reference to ICR rule number for disqualification offence	string		Optional
Level				Round reached in Team Sprint (Final, Small final, Semifinal)	string	final smallfinal semifinal	optional

<Team>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Fiscode				The team's unique FIS code. Every team 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 Organizers by the FIS Office in writing.	string		required
Teamname				The team name as it appears on the FIS list	string		required
Nation				The team nation using the FIS abbreviation	string		required

<CC_result>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Level				Round reached in Team Sprint (Final, Small final, Semifinal)	string	final smallfinal semifinal	optional

<CC_resultdetail> (Relay)

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Intermediate	i	Number of intermediate point	Time Diff Rank Sectortime Sectordiff Sectorrank	i.e. intermediate times for each exchange/leg			optional

<Intermediate>

An intermediate point can be for team only a timing point.

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Time				Time on intermediate point i	string		required
Diff				Time difference on intermediate point i	string		optional
Rank				Rank on intermediate point i	integer		required
Sectortime				Time of the last sector (last intermediate point to current intermediate point)	string		optional
Sectordiff				Time difference of a sector	string		optional
Sectorrank				Rank of the last sector	integer		optional

<CC_resultdetail> (Team Sprint)

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Run	no	Number of run/heat	Rank Time Diff	result information about team sprint heats			optional
	Level	final semifinal					

<Run>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Time				Total time of the heat	string		required
Diff				Total time difference	string		optional
Rank				Total team rank of the heat	integer		required

<CC_team>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
CC_notranked	Status	DNS = Did not start DSQ = Disqualified DNF = Did not finish DPO = Doping offense NPS = Not permitted to start DQB = Disqualification for unsportsmanlike behavior	Bib Competitor CC_resultdetail	Details of team and each competitor's results			Required

<CC_notranked>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/optional
Bib				The team starting bib	integer		required
Competitor			Fiscode Lastname Firstname Gender Nation Yearofbirth Clubname	Details of a competitor			required
CC_resultdetail			Totaltime Diff Rank Intermediate	Details of the result of the competitor as far as team participated in the competition (for DNF)			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 publications of lists may have been provided to the TD or organizers 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 = Male F = Female	optional
Nation				The competitor's nation using the FIS abbreviation	string		required
Yearofbirth				The competitor's year of birth as it appears on the FIS list (ie. 1987)	integer		optional
Clubname				Name of club of competitor	String		optional

<CC_resultdetail> (Relay)

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Totaltime				Leg time of the competitor	string		optional
Diff				Leg time difference	string		optional
Rank				Rank according the leg time	integer		optional
Intermediate	i	Number of intermediate point	Time Diff Rank Speed				optional

<Intermediate>

An intermediate point can be a timing point or speed measurement point.

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Time				Time of the leg on intermediate point i	string		required
Diff				Time difference of the leg on intermediate point i	string		optional
Rank				Rank of the leg on intermediate point i	integer		required

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Speed				Speed on intermediate point i in speed unit	decimal		required
Diff				Speed difference on intermediate point i	decimal		optional
Rank				Rank on intermediate point i	integer		required

<CC_resultdetail> (Team Sprint)

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Run	no	Number of run/heat	Intermediate	result information about team sprint heats intermediate			optional
	Level	final semifinal					

<Run>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Intermediate	i	Number of intermediate point	Time Diff Rank	i.e. intermediate times for each exchange/leg			optional

<Intermediate>

Element	Attributes	Attribute values	Child elements	Description	Data type	Values	required/ optional
Time				Time of the leg on intermediate point i	string		required
Diff				Time difference of the leg on intermediate point i	string		optional
Rank				Rank of the leg on intermediate point i	integer		required

Example Raceheader, Raceinfo

```
<?xml version="1.0" encoding="utf-8"?>
<Fisresults>
  <XMLversion>2.9</XMLversion>
  <Raceheader Sector="CC" Gender="M">
    <Season>2011</Season>
    <Codex>9970</Codex>
    <Nation>FIN</Nation>
    <Discipline>DI</Discipline>
    <Category>WC</Category>
    <Type>Official</Type>
    <Racedate>
      <Day>19</Day>
      <Month>11</Month>
      <Year>2010</Year>
    </Racedate>
    <Place>Kuusamo</Place>
    <Eventname>Viessmann Cross Country World Cup</Eventname>
    <Tempunit>C</Tempunit>
    <Longunit>m</Longunit>
    <Speedunit>kmh</Speedunit>
    <Windunit>ms</Windunit>
    <CC_photof/>
  </Raceheader>
  <CC_race>
    <CC_raceinfo>
      <Jury Function="RACEDIRECTOR">
        <Lastname>MIGNEREY</Lastname>
        <Firstname>Pierre</Firstname>
        <nation>FIS</nation>
      </Jury>
      <Jury Function="CHIEFCOMPETITION">
        <Lastname>PEKK</Lastname>
        <Firstname>Tiit</Firstname>
        <Nation>EST</Nation>
      </Jury>
      <Jury Function="TECHNICALDELEGATE">
        <Lastname>MAPELLI</Lastname>
        <Firstname>Marco</Firstname>
        <Nation>ITA</Nation>
      </Jury>
    </CC_raceinfo>
  </CC_race>
</Fisresults>
```

```

<Jury Function="TECHNICALDELEGATEASSISTANT">
  <Lastname>VODRAZKA</Lastname>
  <Firstname>Jakub</Firstname>
  <Nation>CZE</Nation>
</Jury>
<Jury Function="TECHNICALDELEGATEASSISTANTNATIONAL">
  <Lastname>PRYKAERI</Lastname>
  <Firstname>Juessi</Firstname>
  <Nation>FIN</Nation>
</Jury>
<Jury Function="MEMBER">
  <Lastname>VILJANMAR</Lastname>
  <Firstname>Annmarie</Firstname>
  <Nation>FIN</Nation>
</Jury>
<Runinfo No="1">
  <Course>
    <Name>Kilparata race course</Name>
    <HD>45</HD>
    <MC>75</MC>
    <TC>265</TC>
    <Laplenght>2500</Laplenght>
    <Lapnumber>3</Lapnumber>
    <Style>Free</Style>
    <Intermediate i="1" type="time">
      <Distance>1500</Distance>
    </Intermediate>
    <Intermediate i="2" type="speed">
      <Distance>2600</Distance>
    </Intermediate>
    <Intermediate i="3" type="time">
      <Distance>5700</Distance>
    </Intermediate>
    <Intermediate i="99" type="time">
      <Distance>7500</Distance>
    </Intermediate>
  </Course>
  <Starttime>15:00</Starttime>
  <Endtime>16:00</Endtime>
  <Weather>
    <Starttime>15:00</Starttime>
    <Endtime>16:00</Endtime>
    <Place>Stadium</Place>
    <Weather>cloudy</Weather>
    <Temperatureair>4.1</Temperatureair>
    <Temperaturesnow>-1.9</Temperaturesnow>
    <Humidity>80</Humidity>
    <Maxwindspeed>0.87</Maxwindspeed>
  </Weather>

```

```

    <Minwindspeed>0.17</Minwindspeed>
    <Avgwindspeed>0.26</Avgwindspeed>
    <Winddirection>N</Winddirection>
  </Weather>
  <Statistics>
    <Entries>
      <Competitors>49</Competitors>
      <Nations>10</Nations>
    </Entries>
    <Ranked>
      <Competitors>45</Competitors>
      <Nations>10</Nations>
    </Ranked>
    <DSQ>
      <Competitors>1</Competitors>
      <Nations>1</Nations>
    </DSQ>
    <DQB>
      <Competitors>1</Competitors>
      <Nations>1</Nations>
    </DQB>
    <DNS>
      <Competitors>1</Competitors>
      <Nations>1</Nations>
    </DNS>
    <DNF>
      <Competitors>1</Competitors>
      <Nations>1</Nations>
    </DNF>
    <NPS>
      <Competitors>1</Competitors>
      <Nations>1</Nations>
    </NPS>
    <LAP>
      <Competitors>1</Competitors>
      <Nations>1</Nations>
    </LAP>
  </Statistics>
</Runinfo>
<Usedfislist>2</Usedfislist>
<Appliedpenalty>0.00</Appliedpenalty>
<Calculatedpenalty>0.00</Calculatedpenalty>
<Fvalue>800</Fvalue>
<Timingby>Swiss Timing - ST Sportservice GmbH</Timingby>
<Dataprocessingby>Swiss Timing - ST Sportservice GmbH</Dataprocessingby>
<Softwarecompany>Siwidata</Softwarecompany>
<Softwarename>Raceman</Softwarename>

```

```
        <Softwareversion>6.8.9</Softwareversion>
    </CC_raceinfo>
    <CC_classified>
    ...
    </CC_classified>
    <CC_notclassified>
    ...
    </CC_notclassified>
</CC_race>
</Fisresults>
```

Example result individual competition

Individual, Mass start, Sprint Qualification

```

<?xml version="1.0" encoding="utf-8"?>
<Fisresults>
  <Raceheader Sector="CC" Gender="M">
    ...
  </Raceheader>
  <CC_race>
    <CC_raceinfo>
      ...
    </CC_raceinfo>
    <CC_classified>
      <CC_ranked Status="QLF">
        <Rank Pf="y">1</Rank>
        <Bib>28</Bib>
        <Competitor>
          <Fiscode>1234567</Fiscode>
          <Lastname>Koch</Lastname>
          <Firstname>Martin</Firstname>
          <Gender>M</Gender>
          <Nation>AUT</Nation>
          <Yearofbirth>1982</Yearofbirth>
          <Clubname>Skiclub XY</Clubname>
        </Competitor>
        <CC_result>
          <Startdiff>0:00</Startdiff>
          <Totaltime>27:37.3</Totaltime>
          <Diff>0.0</Diff>
          <Racepoints>35.8</Racepoints>
          <Bonustime>0:15</Bonustime>
          <Penaltytime>0:00</Penaltytime>
          <Level></Level>
        </CC_result>
        <CC_resultdetail>
          <Intermediate i="1">
            <Time>6:30.9</Time>
            <Diff>0.00</Diff>
            <Rank>1</Rank>
            <Sectortime>6:30.9</Sectortime>
            <Sectordiff>0.0</Sectordiff>
            <Sectorrank>1</Sectorrank>
            <Bonustime></Bonustime>
            <Bonuspoints></Bonuspoints>
          </Intermediate>
          <Intermediate i="2">
            <Speed>34.8</Speed>
          </Intermediate>
        </CC_resultdetail>
      </CC_ranked>
    </CC_classified>
  </CC_race>
</Fisresults>
  
```

```

    <Diff>0.0</Diff>
    <Rank>1</Rank>
  </Intermediate>
  <Intermediate i="3">
    <Time>12:34.8</Time>
    <Diff>0.00</Diff>
    <Rank>1</Rank>
    <Sectortime>6:03.9</Sectortime>
    <Sectordiff>0.0</Sectordiff>
    <Sectorrank>1</Sectorrank>
    <Bonustime>0:15</Bonustime>
    <Bonuspoints></Bonuspoints>
  </Intermediate>
  <Intermediate i="4">
    <Time>19:54.2</Time>
    <Diff>0.00</Diff>
    <Rank>1</Rank>
    <Sectortime>6:19.8</Sectortime>
    <Sectordiff>0.0</Sectordiff>
    <Sectorrank>1</Sectorrank>
    <Bonustime></Bonustime>
    <Bonuspoints></Bonuspoints>
  </Intermediate>
</CC_resultdetail>
</CC_ranked>
<CC_ranked Status="QLF">
  <Rank Pf="y">2</Rank>
  <Bib>27</Bib>
  <Competitor>
    <Fiscode>206743</Fiscode>
    <Lastname>Ammann</Lastname>
    <Firstname>Simon</Firstname>
    <Gender>M </Gender>
    <Nation>SUI</Nation>
    <Yearofbirth>1981</Yearofbirth>
    <Clubname>Skiclub XY</Clubname>
  </Competitor>
</CC_result>
  <Totaltime>27:29.3</Totaltime>
  <Diff>8.0</Diff>
  <Racepoints>43.2</Racepoints>
  <Bonustime>0:10</Bonustime>
  <Penaltytime>0:30</Penaltytime>
  <Level></Level>
</CC_result>
<CC_resultdetail>
  <Intermediate i="1">
    <Time>6:35.9</Time>

```



```

    <Diff>5.0</Diff>
    <Rank>3</Rank>
    <Sectortime>6:35.9</Sectortime>
    <Sectordiff>5.0</Sectordiff>
    <Sectorrank>3</Sectorrank>
    <Bonustime></Bonustime>
    <Bonuspoints></Bonuspoints>
  </Intermediate>
  <Intermediate i="2">
    <Time>12:54.8</Time>
    <Diff>20.0</Diff>
    <Rank>7</Rank>
    <Sectortime>6:35.9</Sectortime>
    <Sectordiff>5.00</Sectordiff>
    <Sectorrank>3</Sectorrank>
    <Bonustime></Bonustime>
    <Bonuspoints></Bonuspoints>
  </Intermediate>
  <Intermediate i="3">
    <Time>20:02.2</Time>
    <Diff>8.0</Diff>
    <Rank>2</Rank>
    <Sectortime>6:35.9</Sectortime>
    <Sectordiff>5.0</Sectordiff>
    <Sectorrank>3</Sectorrank>
    <Bonustime></Bonustime>
    <Bonuspoints></Bonuspoints>
  </Intermediate>
</CC_resultdetail>
</CC_ranked>
<CC_ranked Status="QLF" Status2="LAP">
  <Rank>67</Rank>
  <Bib>27</Bib>
  <Competitor>
    <Fiscode>897092</Fiscode>
    <Lastname>Meier</Lastname>
    <Firstname>Hermann</Firstname>
    <Gender>M</Gender>
    <Nation>AUT</Nation>
    <Yearofbirth>1971</Yearofbirth>
    <Clubname>Skiclub XY</Clubname>
  </Competitor>
</CC_result></CC_result>
<CC_resultdetail>
  <Intermediate i="1">
    <Time>11:35.9</Time>
    <Diff>5:30.0</Diff>
    <Rank>67</Rank>
  </Intermediate>

```

```

        <Sectortime>11:35.9</Sectortime>
        <Sectordiff>5:30.0</Sectordiff>
        <Sectorrank>67</Sectorrank>
        <Bonustime></Bonustime>
        <Bonuspoints></Bonuspoints>
      </Intermediate>
    </CC_resultdetail>
  </CC_ranked>
</CC_classified>
<CC_notclassified>
  <CC_notranked Status="DSQ">
    <Bib>69</Bib>
    <Competitor>
      <Fiscode>134234</Fiscode>
      <Lastname>Kofler</Lastname>
      <Firstname>Andreas</Firstname>
      <Gender>M </Gender>
      <Nation>AUT</Nation>
      <Yearofbirth>1984</Yearofbirth>
      <Clubname>Skiclub XY</Clubname>
    </Competitor>
    <Reason>ICR 123.4</Reason>
  </CC_notranked>
  <CC_notranked Status="DNF">
    <Bib>18</Bib>
    <Competitor>
      <Fiscode>234123</Fiscode>
      <Lastname>Kim</Lastname>
      <Firstname>Hyun-Ki</Firstname>
      <Gender>M </Gender>
      <Nation>KOR</Nation>
      <Yearofbirth>1983</Yearofbirth>
      <Clubname>Skiclub XY</Clubname>
    </Competitor>
    <CC_result></CC_result>
  <CC_resultdetail>
    <Intermediate i="1">
      <Time>6:35.9</Time>
      <Diff>0:30.0</Diff>
      <Rank>7</Rank>
      <Sectortime>6:35.9</Sectortime>
      <Sectordiff>0:30.0</Sectordiff>
      <Sectorrank>7</Sectorrank>
      <Bonustime></Bonustime>
      <Bonuspoints></Bonuspoints>
    </Intermediate>
  </CC_resultdetail>
</CC_notranked>

```

```

<CC_notranked Status="DNS">
  <Bib>8</Bib>
  <Competitor>
    <Fiscode>2025</Fiscode>
    <Lastname>Choi</Lastname>
    <Firstname>Heung-Chul</Firstname>
    <Gender>M </Gender>
    <Nation>KOR</Nation>
    <Yearofbirth>1981</Yearofbirth>
    <Clubname>Skiclub XY</Clubname>
  </Competitor>
</CC_notranked>
</CC_notclassified>
</CC_race>
</Fisresults>

```

Pursuit

```

<?xml version="1.0" encoding="utf-8"?>
<Fisresults>
  <Raceheader Sector="CC" Gender="W">
    ...
  </Raceheader>
  <CC_race>
    <CC_raceinfo>
      ...
    </CC_raceinfo>
    <CC_classified>
      <CC_ranked Status="QLF">
        <Bib>6</Bib>
        <Rank>1</Rank>
        <Competitor>
          <Fiscode>3185256</Fiscode>
          <Lastname>PARMAKOSKI</Lastname>
          <Firstname>Krista</Firstname>
          <Nation>FIN</Nation>
        </Competitor>
        <CC_result>
          <Totaltime>33:41.8</Totaltime>
          <Arrivaltime>37:08.6</Arrivaltime>
          <Arrivalrank>4</Arrivalrank>
          <Racepoints>0.00</Racepoints>
        </CC_result>
        <CC_resultdetail>
          ...
        </CC_resultdetail>
      </CC_ranked>
      <CC_ranked Status="QLF">
        <Bib>2</Bib>
        <Rank>2</Rank>
        <Competitor>
          <Fiscode>3425301</Fiscode>
          <Lastname>JOHAUG</Lastname>
          <Firstname>Therese</Firstname>
          <Nation>NOR</Nation>
        </Competitor>
        <CC_result>
          <Totaltime>33:42.4</Totaltime>
          <Arrivaltime>34:12.4</Arrivaltime>
          <Arrivalrank>1</Arrivalrank>
          <Racepoints>0.36</Racepoints>
        </CC_result>
        <CC_resultdetail>
          ...
        </CC_resultdetail>
      </CC_ranked>
    </CC_classified>
  </CC_race>
</Fisresults>
  
```

```

        </CC_resultdetail>
    </CC_ranked>
    ...
</CC_classified>
<CC_notclassified>
    <CC_notranked Status="DNS">
        <Bib>44</Bib>
        <Competitor>
            <Fiscode>3105146</Fiscode>
            <Lastname>BEATTY</Lastname>
            <Firstname>Dahria</Firstname>
            <Nation>CAN</Nation>
        </Competitor>
    </CC_notranked>
</CC_notclassified>
</CC_race>
</Fisresults>

```

Sprint Final

```

<?xml version="1.0" encoding="utf-8"?>
<Fisresults>
  <Raceheader Sector="CC" Gender="M">
    ...
  </Raceheader>
  <CC_race>
    <CC_raceinfo>
      ...
    </CC_raceinfo>
    <CC_classified>
      <CC_ranked Status="QLF">
        <Rank>1</Rank>
        <Bib>28</Bib>
        <Competitor>
          <Fiscode>1234567</Fiscode>
          <Lastname>Koch</Lastname>
          <Firstname>Martin</Firstname>
          <Gender>M</Gender>
          <Nation>AUT</Nation>
          <Yearofbirth>1982</Yearofbirth>
          <Clubname>Skiclub XY</Clubname>
        </Competitor>
        <CC_result>
          <Level>final</Level>
        </CC_result>
        <CC_resultdetail>
          <Run no="1" Level="final">
            <Rank>1</Rank>
            <Time>2:30.9</Time>
            <Diff>0.0</Diff>
          </Run>
          <Run no="2" Level="semifinal">
            <Rank Pf="y">3</Rank>
            <Time LLrank="1">2:31.9</Time>
            <Diff>2.1</Diff>
          </Run>
          <Run no="4" Level="quarterfinal">
            <Rank>1</Rank>
            <Time>2:33.9</Time>
            <Diff>0.0</Diff>
          </Run>
        </CC_resultdetail>
      </CC_ranked>
    </CC_classified>
  </CC_raceinfo>
  <CC_ranked Status="QLF">
    <Rank>2</Rank>
    <Bib>27</Bib>
  </CC_ranked>
</Fisresults>
  
```

```

<Competitor>
  <Fiscode>206743</Fiscode>
  <Lastname>Ammann</Lastname>
  <Firstname>Simon</Firstname>
  <Gender>M</Gender>
  <Nation>SUI</Nation>
  <Yearofbirth>1981</Yearofbirth>
  <Clubname>Skiclub XY</Clubname>
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    <Lastname>Schneider</Lastname>
    <Firstname>Bernd</Firstname>
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    <Nation>GER</Nation>
    <Yearofbirth>1981</Yearofbirth>
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    <Run no="5" Level="quarterfinal">

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        <Rank>6</Rank>
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    <Lastname>Haemaelaeinen</Lastname>
    <Firstname>Simon</Firstname>
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    <Nation>FIN</Nation>
    <Yearofbirth>1981</Yearofbirth>
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    <Lastname>Kim</Lastname>
    <Firstname>Hyun-Ki</Firstname>
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    <Lastname>Choi</Lastname>
    <Firstname>Heung-Chul</Firstname>
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    <Nation>KOR</Nation>
    <Yearofbirth>1981</Yearofbirth>
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</CC_notclassified>
</CC_race>
</Fisresults>

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Example result team competition

Relay

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      ...
    </CC_raceinfo>
    <CC_classified>
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        <Rank>1</Rank>
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          <Teamname>Norway I</Teamname>
          <Nation>NOR</Nation>
        </Team>
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        <CC_resultdetail>
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          <Intermediate i="2">
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            <Rank>1</Rank>
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            <Sectordiff>0.0</Sectordiff>
            <Sectorrank>1</Sectorrank>
          </Intermediate>
          <Intermediate i="3">
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            <Diff>0.0</Diff>
            <Rank>1</Rank>
            <Sectortime>6:19.8</Sectortime>
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    </CC_classified>
  </CC_race>
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```

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            <Lastname>TYLDUM</Lastname>
            <Firstname>Ingrid Aunet</Firstname>
            <Nation>NOR</Nation>
        </Competitor>
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            <Firstname>Astrid</Firstname>
            <Nation>NOR</Nation>
        </Competitor>

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    <Lastname>STEIRA</Lastname>
    <Firstname>Kristin Stoermer</Firstname>
    <Nation>NOR</Nation>
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    <Firstname>Marit</Firstname>
    <Nation>NOR</Nation>
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    <Nation>FIN</Nation>
  </Team>
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      <Lastname>KUITUNEN</Lastname>
      <Firstname>Virpi</Firstname>
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      <Firstname>Aino Kaisa</Firstname>

```

```

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        <Firstname>Riitta-Liisa</Firstname>
        <Nation>FIN</Nation>
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      <Firstname>Riikka</Firstname>
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  <Team>
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    <Teamname>Sweden I</Teamname>
    <Nation>SWE</Nation>
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    <Firstname>Anna</Firstname>
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    <Lastname>KALLA</Lastname>
    <Firstname>Charlotte</Firstname>
    <Nation>SWE</Nation>
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    <Lastname>RYDQVIST</Lastname>
    <Firstname>Maria</Firstname>
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```

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    <Firstname>Lina</Firstname>
    <Nation>SWE</Nation>
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    <Lastname>NYSTROEM</Lastname>
    <Firstname>Susanne</Firstname>
    <Nation>SWE</Nation>
  </Competitor>
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</CC_notranked>

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    <Lastname>STROEMSTEDT</Lastname>
    <Firstname>Anna Karin</Firstname>
    <Nation>SWE</Nation>
  </Competitor>
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    <Firstname>Emma</Firstname>
    <Nation>SWE</Nation>
  </Competitor>
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Team Sprint

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        <Team>
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          <Teamname>United States of America</Teamname>
          <Nation>USA</Nation>
        </Team>
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          <Level>final</Level>
        </CC_result>
        <CC_resultdetail>
          <Run no="1" Level="final">
            <Rank>1</Rank>
            <Time>10:41.1</Time>
            <Diff>0.0</Diff>
          </Run>
          <Run no="2" Level="semifinal">
            <Rank Pf="y">4</Rank>
            <Time LLrank="2">10:31.9</Time>
            <Diff>2.1</Diff>
          </Run>
        </CC_resultdetail>
      </CC_ranked>
    </CC_classified>
  </CC_race>
  <CC_team>
    <CC_ranked Status="QLF">
      <Bib Color="red" Leg="1">28</Bib>
      <Competitor>
        <Fiscode>3423423</Fiscode>
        <Lastname>Koch</Lastname>
        <Firstname>Martin</Firstname>
        <Gender>M</Gender>
        <Nation>USA</Nation>
        <Yearofbirth>1982</Yearofbirth>
        <Clubname>Skiclub XY</Clubname>
      </Competitor>
    </CC_ranked>
  </CC_team>
</Fisresults>
  
```

```

<Run no="1" Level="final">
  <Intermediate i="1">
    <Time>2:03.1</Time>
    <Diff>0.0</Diff>
    <Rank>1</Rank>
    <Legtime>2:03.1</Legtime>
    <Legdiff>1.0</Legdiff>
    <Legrank>2</Legrank>
  </Intermediate>
  <Intermediate i="3">
    <Time>5:30.3 </Time>
    <Diff>0.0</Diff>
    <Rank>1</Rank>
    <Legtime>1:44.6</Legtime>
    <Legdiff>2.0</Legdiff>
    <Legrank>3</Legrank>
  </Intermediate>
  <Intermediate i="5">
    <Time>9:00.5</Time>
    <Diff>0.0</Diff>
    <Rank>1</Rank>
    <Legtime>1:45.9</Legtime>
    <Legdiff>2.9</Legdiff>
    <Legrank>4</Legrank>
  </Intermediate>
</Run>
<Run no="2" Level="semifinal">
  <Intermediate i="1">
    <Time>2:03.1</Time>
    <Diff>0.0</Diff>
    <Rank>1</Rank>
    <Legtime>2:03.1</Legtime>
    <Legdiff>1.0</Legdiff>
    <Legrank>2</Legrank>
  </Intermediate>
  <Intermediate i="3">
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    <Diff>0.0</Diff>
    <Rank>1</Rank>
    <Legtime>1:44.6</Legtime>
    <Legdiff>2.0</Legdiff>
    <Legrank>3</Legrank>
  </Intermediate>
  <Intermediate i="5">
    <Time>9:00.5</Time>
    <Diff>0.0</Diff>
    <Rank>1</Rank>
    <Legtime>1:45.9</Legtime>
  
```

```

                <Legdiff>2.9</Legdiff>
                <Legrank>4</Legrank>
            </Intermediate>
        </Run>
    </CC_resultdetail>
</CC_ranked>
<CC_ranked Status="QLF">
    <Bib Color="green" Leg="2">28</Bib>
    <Competitor>
        <Fiscode>1234567</Fiscode>
        <Lastname>NEWELL</Lastname>
        <Firstname>Andrew</Firstname>
        <Gender>M</Gender>
        <Nation>USA</Nation>
        <Yearofbirth>1980</Yearofbirth>
        <Clubname>Skiclub XY</Clubname>
    </Competitor>
    <CC_resultdetail>
        <Run no="1" Level="final">
            <Intermediate i="2">
                <Time>3:45.7</Time>
                <Diff>0.0</Diff>
                <Rank>1</Rank>
                <Legtime>1:42.6</Legtime>
                <Legdiff>3.0</Legdiff>
                <Legrank>4</Legrank>
            </Intermediate>
            <Intermediate i="4">
                <Time>7:14.6</Time>
                <Diff>0.0</Diff>
                <Rank>1</Rank>
                <Legtime>1:44.3</Legtime>
                <Legdiff>2.0</Legdiff>
                <Legrank>6</Legrank>
            </Intermediate>
            <Intermediate i="99">
                <Time>10:41.1</Time>
                <Diff>0.0</Diff>
                <Rank>1</Rank>
                <Legtime>1:40.6</Legtime>
                <Legdiff>2.9</Legdiff>
                <Legrank>3</Legrank>
            </Intermediate>
        </Run>
        <Run no="2" Level="semifinal">
            <Intermediate i="2">
                <Time>3:45.7</Time>
                <Diff>0.0</Diff>
    
```



```

    <Rank>1</Rank>
    <Legtime>1:42.6</Legtime>
    <Legdiff>3.0</Legdiff>
    <Legrank>4</Legrank>
  </Intermediate>
  <Intermediate i="4">
    <Time>7:14.6</Time>
    <Diff>0.0</Diff>
    <Rank>1</Rank>
    <Legtime>1:44.3</Legtime>
    <Legdiff>2.0</Legdiff>
    <Legrank>6</Legrank>
  </Intermediate>
  <Intermediate i="99">
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    <Diff>0.0</Diff>
    <Rank>1</Rank>
    <Legtime>1:40.6</Legtime>
    <Legdiff>2.9</Legdiff>
    <Legrank>3</Legrank>
  </Intermediate>
</Run>
  </CC_resultdetail>
</CC_ranked>
...
</CC_team>
</CC_ranked>
<CC_ranked Status="QLF">
  <Rank>11</Rank>
  <Bib>2</Bib>
  <Team>
    <Fiscode>454545</Fiscode>
    <Teamname>Poland</Teamname>
    <Nation>POL</Nation>
  </Team>
  <CC_result>
    <Level>semifinal</Level>
  </CC_result>
  <CC_resultdetail>
    <Run no="1" Level="final">
      <Rank>1</Rank>
      <Time>10:41.1</Time>
      <Diff>0.0</Diff>
    </Run>
    <Run no="1" Level="semifinal">
      <Rank Pf="y">7</Rank>
      <Time>10:31.9</Time>
      <Diff>7.1</Diff>
    </Run>
  </CC_resultdetail>
</CC_ranked>

```

```

        </Run>
    </CC_resultdetail>
</CC_team>
    <CC_ranked Status="QLF">
        <Bib Color="red" Leg="1">2</Bib>
        <Competitor>
            <Fiscode>46545465</Fiscode>
            <Lastname>Wischniewski</Lastname>
            <Firstname>Justin</Firstname>
            <Gender>M</Gender>
            <Nation>POL</Nation>
            <Yearofbirth>1982</Yearofbirth>
            <Clubname>Skiclub XY</Clubname>
        </Competitor>
        <CC_resultdetail>
            <Run no="1" Level="final">
                <Intermediate i="1">
                    <Time>2:03.1</Time>
                    <Diff>0.0</Diff>
                    <Rank>1</Rank>
                    <Legtime>2:03.1</Legtime>
                    <Legdiff>1.0</Legdiff>
                    <Legrank>2</Legrank>
                </Intermediate>
                <Intermediate i="3">
                    <Time>5:30.3 </Time>
                    <Diff>0.0</Diff>
                    <Rank>1</Rank>
                    <Legtime>1:44.6</Legtime>
                    <Legdiff>2.0</Legdiff>
                    <Legrank>3</Legrank>
                </Intermediate>
                <Intermediate i="5">
                    <Time>9:00.5</Time>
                    <Diff>0.0</Diff>
                    <Rank>1</Rank>
                    <Legtime>1:45.9</Legtime>
                    <Legdiff>2.9</Legdiff>
                    <Legrank>4</Legrank>
                </Intermediate>
            </Run>
            <Run no="1" Level="semifinal">
                ...
            </Run>
        </CC_resultdetail>
    </CC_ranked>
</CC_ranked Status="QLF">
    <Bib Color="green" Leg="2">2</Bib>

```

```

<Competitor>
  <Fiscode>1345464</Fiscode>
  <Lastname>Koschwicz</Lastname>
  <Firstname>Andre</Firstname>
  <Gender>M</Gender>
  <Nation>POL</Nation>
  <Yearofbirth>1980</Yearofbirth>
  <Clubname>Skiclub XY</Clubname>
</Competitor>
<CC_resultdetail>
  <Run no="1" Level="final">
    <Intermediate i="1">
      <Time>2:03.1</Time>
      <Diff>0.0</Diff>
      <Rank>1</Rank>
      <Legtime>2:03.1</Legtime>
      <Legdiff>1.0</Legdiff>
      <Legrank>2</Legrank>
    </Intermediate>
    <Intermediate i="3">
      <Time>5:30.3 </Time>
      <Diff>0.0</Diff>
      <Rank>1</Rank>
      <Legtime>1:44.6</Legtime>
      <Legdiff>2.0</Legdiff>
      <Legrank>3</Legrank>
    </Intermediate>
    <Intermediate i="5">
      <Time>9:00.5</Time>
      <Diff>0.0</Diff>
      <Rank>1</Rank>
      <Legtime>1:45.9</Legtime>
      <Legdiff>2.9</Legdiff>
      <Legrank>4</Legrank>
    </Intermediate>
  </Run>
  <Run no="1" Level="semifinal">
    ...
  </Run>
</CC_resultdetail>
</CC_ranked>
...
  </CC_team>
</CC_ranked>
...
</CC_classified>
<CC_notclassified>
  <CC_notranked Status="DNF">

```

```

<Bib>12</Bib>
<Team>
  <Fiscode>87566</Fiscode>
  <Teamname>Germany</Teamname>
  <Nation>GER</Nation>
</Team>
<Level>final</Level>
<CC_team>
  <CC_notranked Status="DNF">
    <Bib Color="red" Leg="1">121</Bib>
    <Competitor>
      <Fiscode>3423423</Fiscode>
      <Lastname>Angerer</Lastname>
      <Firstname>Tobias</Firstname>
      <Gender>M</Gender>
      <Nation>GER</Nation>
      <Yearofbirth>1975</Yearofbirth>
      <Clubname>Skiclub XY</Clubname>
    </Competitor>
    <CC_resultdetail>
      <Run no="1" Level="semifinal">
        <Intermediate i="1">
          <Time>1:43.6</Time>
          <Diff>1.0</Diff>
          <Rank>3</Rank>
          <Legtime>1:43.6</Legtime>
          <Legdiff>3.0</Legdiff>
          <Legrank>5</Legrank>
        </Intermediate>
        <Intermediate i="3">
          <Time>5:30.3 </Time>
          <Diff>0.0</Diff>
          <Rank>1</Rank>
          <Legtime>1:44.6</Legtime>
          <Legdiff>2.0</Legdiff>
          <Legrank>3</Legrank>
        </Intermediate>
      </Run>
    </CC_resultdetail>
  </CC_notranked>
  <CC_notranked Status="DNF">
    <Bib Color="green" Leg="2">122</Bib>
    <Competitor>
      <Fiscode>2342342</Fiscode>
      <Lastname>Teichmann</Lastname>
      <Firstname>Axel</Firstname>
      <Gender>M</Gender>
      <Nation>GER</Nation>
  </CC_notranked>

```

```

    <Yearofbirth>1980</Yearofbirth>
    <Clubname>Skiclub XY</Clubname>
  </Competitor>
  <CC_resultdetail>
    <Run no="1" Level="final">
      <Intermediate i="2">
        <Time>2:03.1</Time>
        <Diff>0.0</Diff>
        <Rank>1</Rank>
        <Legtime>2:03.1</Legtime>
        <Legdiff>1.0</Legdiff>
        <Legrank>2</Legrank>
      </Intermediate>
      <Intermediate i="4">
        <Time>5:30.3 </Time>
        <Diff>0.0</Diff>
        <Rank>1</Rank>
        <Legtime>1:44.6</Legtime>
        <Legdiff>2.0</Legdiff>
        <Legrank>3</Legrank>
      </Intermediate>
    </Run>
    <Run no="1" Level="semifinal">
      ...
    </Run>
  </CC_resultdetail>
</CC_notranked>
</CC_team>
<Reason>ICR 123.4</Reason>
</CC_notranked>
<CC_notranked Status="DSQ">
  <Bib>16</Bib>
  <Team>
    <Fiscode>23434</Fiscode>
    <Teamname>Austria</Teamname>
    <Nation>AUT</Nation>
  </Team>
  <Level>semifinal</Level>
  <CC_team>
    <CC_notranked Status="DNF">
      <Bib Color="red" Leg="1">121</Bib>
      <Competitor>
        <Fiscode>6785678</Fiscode>
        <Lastname>Huber</Lastname>
        <Firstname>Thomas</Firstname>
        <Gender>M</Gender>
        <Nation>AUT</Nation>
        <Yearofbirth>1975</Yearofbirth>
      </Competitor>
    </CC_notranked>
  </CC_team>
</CC_notranked>

```

```

        <Clubname>Skiclub XY</Clubname>
      </Competitor>
    </CC_notranked>
    <CC_notranked Status="DNF">
      <Bib Color="green" Leg="2">122</Bib>
      <Competitor>
        <Fiscode>3422345</Fiscode>
        <Lastname>Reiter</Lastname>
        <Firstname>Hans</Firstname>
        <Gender>M</Gender>
        <Nation>AUT</Nation>
        <Yearofbirth>1980</Yearofbirth>
        <Clubname>Skiclub XY</Clubname>
      </Competitor>
    </CC_notranked>
  </CC_team>
</CC_notranked>
  ...
</CC_notclassified>
</CC_race>
</Fisresults>

```

Example start list individual competition

```

<?xml version="1.0" encoding="utf-8"?>
<Fisresults>
  <Raceheader Sector="CC" Gender="W">
    ...
  </Raceheader>
  <CC_race>
    <CC_raceinfo>
      ...
    </CC_raceinfo>
    <CC_classified>
      <CC_ranked Status="QLF">
        <Bib>1</Bib>
        <Order>1</Order>
        <Competitor>
          <Fiscode>3205224</Fiscode>
          <Lastname>KOLB</Lastname>
          <Firstname>Hanna</Firstname>
          <Nation>GER</Nation>
        </Competitor>
      </CC_ranked>
      <CC_ranked Status="QLF">
        <Bib>2</Bib>
        <Order>2</Order>
        <Competitor>
          <Fiscode>3535124</Fiscode>
          <Lastname>SARGENT</Lastname>
          <Firstname>Ida</Firstname>
          <Nation>USA</Nation>
        </Competitor>
      </CC_ranked>
      <CC_ranked Status="QLF">
        <Bib>3</Bib>
        <Order>3</Order>
        <Competitor>
          <Fiscode>3535304</Fiscode>
          <Lastname>CALDWELL</Lastname>
          <Firstname>Sophie</Firstname>
          <Nation>USA</Nation>
        </Competitor>
      </CC_ranked>
      <CC_ranked Status="QLF">
        <Bib>4</Bib>
        <Order>4</Order>
        <Competitor>
          <Fiscode>1365857</Fiscode>
          <Lastname>RANDALL</Lastname>

```

```

                <Firstname>Kikkan</Firstname>
                <Nation>USA</Nation>
            </Competitor>
        </CC_ranked>
        <CC_ranked Status="QLF">
            <Bib>5</Bib>
            <Order>5</Order>
            <Competitor>
                <Fiscode>3565005</Fiscode>
                <Lastname>VISNAR</Lastname>
                <Firstname>Katja</Firstname>
                <Nation>SLO</Nation>
            </Competitor>
        </CC_ranked>
        ...
    </CC_classified>
</CC_race>
</Fisresults>

```


Example start list team competition

Relay

```

<?xml version="1.0" encoding="utf-8"?>
<Fisresults>
  <Raceheader Sector="CC" Gender="M">
    ...
  </Raceheader>
  <CC_race>
    <CC_raceinfo>
      ...
    </CC_raceinfo>
    <CC_classified>
      <CC_ranked Status="QLF">
        <Bib>1</Bib>
        <Order>1</Order>
        <Team>
          <Fiscode>76683</Fiscode>
          <Teamname>UNITED STATES II</Teamname>
          <Nation>USA</Nation>
        </Team>
      <CC_Team>
        <CC_ranked Status="QLF">
          <Bib color="red" style="C" Leg="1">1</Bib>
          <Competitor>
            <Fiscode>3530005</Fiscode>
            <Lastname>NEWELL</Lastname>
            <Firstname>Andrew</Firstname>
            <Nation>USA</Nation>
          </Competitor>
        </CC_ranked>
        <CC_ranked Status="QLF">
          <Bib color="green" style="C" Leg="2">1</Bib>
          <Competitor>
            <Fiscode>3530772</Fiscode>
            <Lastname>LUSTGARTEN</Lastname>
            <Firstname>Benjamin</Firstname>
            <Nation>USA</Nation>
          </Competitor>
        </CC_ranked>
        <CC_ranked Status="QLF">
          <Bib color="yellow" style="F" Leg="3">1</Bib>
          <Competitor>
            <Fiscode>123456</Fiscode>
            <Lastname>MILLER</Lastname>
            <Firstname>James</Firstname>
            <Nation>USA</Nation>
          </Competitor>
        </CC_ranked>
      </CC_classified>
    </CC_race>
  </Fisresults>

```

```

        </Competitor>
      </CC_ranked>
    <CC_ranked Status="QLF">
      <Bib color="blue" style="F" Leg="4">1</Bib>
      <Competitor>
        <Fiscode>678902</Fiscode>
        <Lastname>SMITH</Lastname>
        <Firstname>JOHN</Firstname>
        <Nation>USA</Nation>
      </Competitor>
    </CC_ranked>
  </CC_Team>
</CC_ranked>
<CC_ranked Status="QLF">
  <Bib>2</Bib>
  <Order>2</Order>
  <Team>
    <Fiscode>102344</Fiscode>
    <Teamname>FRANCE I</Teamname>
    <Nation>FRA</Nation>
  </Team>
  <CC_Team>
    <CC_ranked Status="QLF">
      <Bib color="red" style="C" Leg="1">2</Bib>
      <Competitor>
        <Fiscode>3190370</Fiscode>
        <Lastname>ARNAULT</Lastname>
        <Firstname>Clement</Firstname>
        <Nation>FRA</Nation>
      </Competitor>
    </CC_ranked>
    <CC_ranked Status="QLF">
      <Bib color="green" style="C" Leg="2">2</Bib>
      <Competitor>
        <Fiscode>3190323</Fiscode>
        <Lastname>CHANAVAT</Lastname>
        <Firstname>Lucas</Firstname>
        <Nation>FRA</Nation>
      </Competitor>
    </CC_ranked>
    <CC_ranked Status="QLF">
      <Bib color="yellow" style="F" Leg="3">2</Bib>
      <Competitor>
        <Fiscode>987654</Fiscode>
        <Lastname>CHATEAU</Lastname>
        <Firstname>Sean</Firstname>
        <Nation>FRA</Nation>
      </Competitor>
    </CC_ranked>
  </Team>
</CC_ranked>

```

```

</CC_ranked>
<CC_ranked Status="QLF">
  <Bib color="blue" style="F" Leg="4">2</Bib>
  <Competitor>
    <Fiscode>5634563</Fiscode>
    <Lastname>LIBERTE</Lastname>
    <Firstname>Pierre</Firstname>
    <Nation>FRA</Nation>
  </Competitor>
</CC_ranked>
</CC_Team>
</CC_ranked>
...
</CC_classified>
</CC_race>
</Fisresults>

```

Team Sprint

```

<?xml version="1.0" encoding="utf-8"?>
<Fisresults>
  <Raceheader Sector="CC" Gender="M">
    ...
  </Raceheader>
  <CC_race>
    <CC_raceinfo>
      ...
    </CC_raceinfo>
    <CC_classified>
      <CC_ranked Status="QLF">
        <Bib>1</Bib>
        <Order>1</Order>
        <Team>
          <Fiscode>76683</Fiscode>
          <Teamname>UNITED STATES II</Teamname>
          <Nation>USA</Nation>
        </Team>
        <CC_Team>
          <CC_ranked Status="QLF">
            <Bib color="red" Leg="1">1</Bib>
            <Competitor>
              <Fiscode>3530005</Fiscode>
              <Lastname>NEWELL</Lastname>
              <Firstname>Andrew</Firstname>
              <Nation>USA</Nation>
            </Competitor>
          </CC_ranked>
          <CC_ranked Status="QLF">
            <Bib color="green" Leg="2">1</Bib>
            <Competitor>
              <Fiscode>3530772</Fiscode>
              <Lastname>LUSTGARTEN</Lastname>
              <Firstname>Benjamin</Firstname>
              <Nation>USA</Nation>
            </Competitor>
          </CC_ranked>
        </CC_Team>
      </CC_ranked>
    </CC_classified>
    <CC_ranked Status="QLF">
      <Bib>2</Bib>
      <Order>2</Order>
      <Team>
        <Fiscode>102344</Fiscode>
        <Teamname>FRANCE I</Teamname>
        <Nation>FRA</Nation>
      </Team>
    </CC_ranked>
  </CC_race>
</Fisresults>
  
```

```

</Team>
<CC_Team>
  <CC_ranked Status="QLF">
    <Bib color="red" Leg="1">2</Bib>
    <Competitor>
      <Fiscode>3190370</Fiscode>
      <Lastname>ARNAULT</Lastname>
      <Firstname>Clement</Firstname>
      <Nation>FRA</Nation>
    </Competitor>
  </CC_ranked>
  <CC_ranked Status="QLF">
    <Bib color="green" Leg="2">2</Bib>
    <Competitor>
      <Fiscode>3190323</Fiscode>
      <Lastname>CHANAVAT</Lastname>
      <Firstname>Lucas</Firstname>
      <Nation>FRA</Nation>
    </Competitor>
  </CC_ranked>
</CC_Team>
</CC_ranked>
...
</CC_classified>
</CC_race>
</Fisresults>

```