SMT LIV GOLF DATA FEED SPECIFICATION

Version 1.1

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VISUAL
DATA
INTELLIGENCE

SMT.com

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Overview

The SMT Golf Data Feed LIV consists of Standard Tournament Data Feeds, Stroke Play Data Feeds, Team Stroke Play Data Feeds, Ball Position Data Feeds, and Year To Date Data Feeds. The feeds consist of the feeds that provide data about tournament, courses, pairings, roster, player scorecards, player strokes, player and team leaderboards, player and team stats, and weather. The feeds are delivered differently depending on where the recipient of the feeds is physically located.

For **offsite** recipients, the feed is pushed over the Internet to the client's Internet server via HTTP POST or HTTP PUT. The following protocols are also available, however are strongly discouraged due to the inherent latency that is introduced within the protocol: FTP, SFTP, FTPS (insecure, secure, implicit).

For **onsite** recipients, the preferred method of the delivery of the feeds are over a local area network connection is on a specific port (the port is determined onsite at setup) where SMT acts as the TCP Client. The filename structure listed throughout this document does not apply to onsite recipients because the data is sent without HTTP headers. The data is sent purely as XML messages over a TCP connection. Any other delivery method must be negotiated in advance of the event.

Frequency of Updates

The SMT Golf Data Feed is completely event driven. In other words, whenever a scoring entry is entered, updated, or deleted, the appropriate XML feed is pushed.

For example, when a player withdraws from the tournament and the pairings are updated, the Player XML for the player is pushed with an updated status of "Withdraw", the updated Pairings XML is pushed, and the updated Leaderboard XML and Top 20 Leaderboard are pushed.

HTTP POST

Along with standard HTTP headers, the following HTTP header parameters will be used for HTTP POSTs:

POST / HTTP/1.1
Content-Length: ####
content-type="application/xml"
Filename: ###.xml

Tournament Data Feed

The Tournament data feed contains all of the information that describes the tournament, such as total number of rounds, total number of courses, play format, etc. The tournament XML looks similar to this:

```
<?xml version="1.0" encoding="UTF-8"?>
<GolfDataFeed Type="Tournament" Timestamp="2010-06-20T19:20:12-05:00" HostOrganization="LIV">
    <Tournament ID="1" Name="110th U.S. Open Championship">
        <Event ID="1" Code="3454359355" Name="LIV League Mayakoba" Status="6" StatusName="Official" Rounds="3" Courses="1" CurrentRound="301" StartDate="2013-10-10"
        EndDate="2013-10-13" Purse="8000000.00">
            <Rounds>
                <Round ID="1" Status="6" StatusName="Round Official" Format="Stroke" TeamFormat="1" TeamFormatName="Single" />
                <Round ID="2" Status="6" StatusName="Round Official" Format="Stroke" TeamFormat="1" TeamFormatName="Single" />
                <Round ID="3" Status="6" StatusName="Round Official" Format="Stroke" TeamFormat="1" TeamFormatName="Single" />
                <Round ID="301" Status="6" StatusName="Round Official" Format="Stroke" TeamFormat="1" TeamFormatName="Single" IsTeamPlayoff="false"/>
                <Round ID="302" Status="6" StatusName="Round Official" Format="Stroke" TeamFormat="1" TeamFormatName="Single" IsTeamPlayoff="true"/>
            </Rounds>
        </Event>
    </Tournament>
</GolfDataFeed>
```
Note: the tab spacing in this document is used for readability purposes only.

Filename: tournament-###.xml where ### is a unique tournament ID.

Explanation of attributes for each element:

XML Declaration:

Attribute	Attribute Description
version	Specifies the version of the XML standard that the XML document conforms to is 1.0.
encoding	Specifies the XML document is encoded using the UTF-8 character set.

Element GolfDataFeed:

Attribute Name	Attribute Description
Type	Type of data feed. Always set to "Tournament" for Tournament data feed.
Timestamp	Local date and time that the message was generated per ISO 8601 specification. Format: YYYY-MM-DDThh:mm:ssTZ, where TZ = +00:00, +hh:mm, or -hh:mm
HostOrganization	The organization that hosts the tournament. The possible value is "LIV".

Element Tournament:

Attribute Name	Attribute Description
ID	The unique tournament ID.
Name	The name of the tournament.

Element Event:

Attribute Name	Attribute Description
ID	A unique number identifying the event.
Code	The code of the event provided by the Host Organization.
Name	The name of the event.
Status	A unique number identifying the current status of the event. The possible values are 0 (NotStarted), 1 (Ready), 2 (Started), 3 (Suspended), 4 (Resumed), 5 (Finished), 6 (Official).
StatusName	The name for the current status of the event. The possible values are "NotStarted", "Ready", "Started", "Suspended", "Resumed", "Finished", "Official".
Rounds	The total number of rounds in the tournament.
Courses	The total number of courses the tournament is played on.
StartDate	The date when the first round starts
EndDate	The date when the last round finishes
Purse	The total value of the Event purse.

Element Rounds\Round:

Attribute Name	Attribute Description
ID	A unique number identify the round.
Status	A unique number identifying the current status of the round. Possible values are 1 (Round Ready), 2 (Round Started), 3 (Round Suspended), 4 (Round Resumed), 5 (Round Finished), 6 (Round Official)
StatusName	The name for the current status of the round. Possible values are "Round Ready", "Round Started", "Round Suspended", "Round Resumed", "Round Finished", "Round Official".
Format	Format of play. Possible values are "Stroke", "Match", "Stableford", "Cup", "Championship", "Skills Competition", "Practice" and "Match Play Skills".
TeamFormat	Team format of Play. Possible values are 1 (Single), 2 (Best Ball), 3 (Alternate Shot), 4 (Scramble), 5 (ProAm), 6 (Collaboration), 7 (Pool Play) and 8 (Mixed Singled).
TeamFormatName	The name of the round team format of play. Possible values are "Single", "Best Ball", "Alternate Shot", "Scramble", "ProAm", "Collaboration", "Pool Play" and "Mixed Singled".
IsTeamPlayoff	Boolean value to indicate Team Playoff Round. Possible values "true" and "false", applies only to a Playoff Round where ID is greater 100.

Course Data Feed

The Courses data feed contains all of the information for each course that the tournament uses for play. The courses XML looks similar to this:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<GolfDataFeed Type="Course" Timestamp="2010-06-20T06:18:26-05:00" HostOrganization="LIV">
  <Tournament ID="1" EventID="1" EventCode="3454359355" >
    <Course ID="1" Name="Pebble Beach Golf Links" Par="72" FrontPar="36/37" BackPar="36/35" Yardage="5304">
      <Hole ID="1" Par="4" Yardage="380"/>
      <Hole ID="2" Par="5" Yardage="502"/>
      …
      <Rounds>
        <Round ID="1" Par="72" FrontPar="37" BackPar="35" Yardage="5256">
          <Hole ID="1" Par="4" Yardage="380">
            <TeePosition X="3701170.166" Y="8186638.536" Z="0.000"/>
            <PinPosition X="3700769.726" Y="8185643.922" Z="0.000"/>
          </Hole>
          <Hole ID="2" Par="5" Yardage="502">
            <TeePosition X="3700399.827" Y="8185399.961" Z="0.000"/>
            <PinPosition X="3701723.374" Y="8185416.767" Z="0.000"/>
          </Hole>
          …
        </Round>
        …
      </Rounds>
    </Course>
    ….
  </Tournament>
</GolfDataFeed>
```

Note: the tab spacing in this document is used for readability purposes only.

Filename: Courses.xml

Explanation of attributes for each element:

XML Declaration:

Attribute	Attribute Description
version	Specifies the version of the XML standard that the XML document conforms to is 1.0.
encoding	Specifies the XML document is encoded using the UTF-8 character set.

Element GolfDataFeed:

Attribute Name	Attribute Description
Type	Type of data feed. Always set to "Course" for Course data feed.
Timestamp	Local date and time that the message was generated per ISO 8601 specification. Format: YYYY-MM-DDThh:mm:ssTZ, where TZ = +00:00, +hh:mm, or -hh:mm
HostOrganization	The organization that hosts the tournament. The possible value is "LIV".

Element Tournament:

Attribute Name	Attribute Description
ID	The unique tournament ID.
EventID	A unique number identifying the event.
EventCode	The code of the event provided by the Host Organization.

Element Course:

Attribute Name	Attribute Description
ID	A unique number identifying the course.
Name	The name of the course.
Par	The display par value for the entire base course.

FrontPar	The display par value for the front nine holes (1-9) for the base course.
BackPar	The display par value for the back nine holes (10-18) for the base course.
Yardage	The total yardage for the base course.

Elements Course/Hole and Course/Rounds/Round/Hole:

Attribute Name	Attribute Description
ID	The hole number. Possible values are 1 through 18.
Par	The base par value for the hole, could be displayed as "4/5".
Yardage	The base total yardage for the hole.

Element Course/Rounds/Round/Hole/TeePosition:

Attribute Name	Attribute Description
X	X coordinate of the tee position
Y	Y coordinate of the tee position
Z	Z coordinate of the tee position

Element Course/Rounds/Round/Hole/PinPosition:

Attribute Name	Attribute Description
X	X coordinate of the pin position
Y	Y coordinate of the pin position
Z	Z coordinate of the pin position

Element Rounds\Round:

Attribute Name	Attribute Description
ID	The round number.
Par	The par value for the entire round course.
FrontPar	The par value for the front nine holes (1-9) for the round course.
BackPar	The par value for the back nine holes (10-18) for the round course.
Yardage	The total yardage for the round course.

Pairings Data Feed

The Pairings data feed contains all pairings of players, tee times, start holes, etc. for a given round. You will only receive one round pairings in each pairings message. The pairings XML looks similar to this:

```
<?xml version="1.0" encoding="UTF-8"?>
<GolfDataFeed Type="Pairings" Timestamp="2010-06-20T14:28:59-05:00" HostOrganization="LIV">
  <Tournament ID="1">
    <Event ID="1" Code="3454359355" PairingsCurrentRound="301">
      <Round ID="3">
        <Pairing ID="1" MatchID="1" CourseID="1" Date="2010-06-20" AdjustedDate="2010-06-21" Start="7:25 am" StartHour="7" StartMinute="25" AdjustedStart="9:30 am"
        AdjustedStartHour="9" AdjustedStartMinute="30" StartHole="1" StartHoleOrder="1" Segment="1">
          <Player ID="33413" TourID="33413" TournamentID="131390" Order="1" FirstName="Ben" LastName="Martin" Country="USA" Hometown="Atlanta, GA" IsAmateur="false"
          Organization="6" OrganizationName="6" Seed="1"/>
        </Pairing>
        <Pairing ID="2" MatchID="2" CourseID="1" Date="2010-06-20" AdjustedDate="2010-06-21" Start="7:35 am" StartHour="7" StartMinute="35" AdjustedStart="9:40 am"
        AdjustedStartHour="9" AdjustedStartMinute="40" StartHole="1" StartHoleOrder="2" Segment="1">
          <Player ID="10423" TourID="10423" TornamentID="111111" Order="1" FirstName="Mike" LastName="Weir" Country="CAN" Hometown="Canada " IsAmateur="false"
          Organization="CAN" OrganizationName="Canada" Seed="2"/>
          <Player ID="31557" TourID="31557" TournamentID="111112" Order="2" FirstName="Jim" LastName="Herman" Country="USA" Hometown="Port St. Lucie, Fla. "
          IsAmateur="false" Organization="USA" OrganizationName="USA" Seed="15"/>
        </Pairing>
        …
      </Round>
    </Event>
  </Tournament>
</GolfDataFeed>
```
Note: the tab spacing in this document is used for readability purposes only.

Filename: pairings-#.xml where # is round ID.

Explanation of attributes for each element:
XML Declaration:

Attribute	Attribute Description
version	Specifies the version of the XML standard that the XML document conforms to is 1.0.
encoding	Specifies the XML document is encoded using the UTF-8 character set.

Element GolfDataFeed:

Attribute Name	Attribute Description
Type	Type of data feed. Always set to "Pairings" for Pairings data feed.
Timestamp	Local date and time that the message was generated per ISO 8601 specification. Format: YYYY-MM-DDThh:mm:ssTZ, where TZ = +00:00, +hh:mm, or -hh:mm
HostOrganization	The organization that hosts the tournament. The possible value is "LIV".

Element Tournament:

Attribute Name	Attribute Description
ID	The unique tournament ID.

Element Event:

Attribute Name	Attribute Description
ID	The unique id of the event.
Code	The code of the event provided by the Host Organization.
PairingsCurrentRound	Pairings Current Round – updated when pairings are released for next round.

Element Round:

Attribute Name	Attribute Description
ID	The round number.

Element Pairing:

Attribute Name	Attribute Description
ID	The unique id for the pairing for this round.
MatchID	The unique match id for the pairing for this round. Applies only to Round Format "Match".
CourseID	The course id on which that this pairing is playing.
Date	The local tee off date for the pairing.
AdjustedDate	The adjusted local tee off date for the each group. The tee off date can be adjusted due to a delay (most of the time this is weather related). If the original tee off date is not changed, this attribute will contain the same value as the attribute "Date".
Start	The local tee off time for the pairing.
StartHour	The hour in which the pairing will be teeing off (in 24-hour format).
StartMinute	The minute in which the pairing will be teeing off.
StartHole	The hole number from which the pairing will be teeing off.
StartHoleOrder	A unique number representing the order on the given hole in which the pairing will be teeing off.
AdjustedStart	The adjusted local tee off time for the each group. The tee off time can be adjusted due to a delay (most of the time this is weather related). If the original tee off time is not changed, this attribute will contain the same value as the attribute "Start".
AdjustedStartHour	The adjusted hour in which the pairing will be teeing off (in 24-hour format). The tee off time can be adjusted due to a delay (most of the time this is weather related). If the original tee off time is not changed, this attribute will contain the same value as the attribute "StartHour".
AdjustedStartMinute	The adjusted minute in which the pairing will be teeing off. The tee off time can be adjusted due to a delay (most of the time this is weather related). If the original tee off time is not changed, this attribute will contain the same value as the attribute "StartMinute".
Segment	The unique segment identifier.

Element Player:

Attribute Name	Attribute Description
ID	The unique id for the player in the scoring system.
TourID	The unique id for the player provided by a Tour that host global player IDs. For example, MENA IDs provided by the MENA Tour. The value could be initially empty if the Tour has a delay generating this TourID. Once the TourID is provided by the Tour, this data feed will be resent with the new value. The same is applied when the Tour decides to change this TourID. The TourID could not be changed once the player has started first round.
TournamentID	The unique id for the player provided by the tournament. The value could be initially empty if the tournament has a delay generating the TournamentID. Once the TournamentID is provided by the tournament, this data feed will be resent with the new value. The same is applied when the tournament decides to change the TournamentID. This TournamentID could not be changed once the player has started first round.
Order	The player's order within the pairing.
FirstName	The player's first name.
LastName	The player's last name.
Country	The player's country code. For example, "USA".
Hometown	The player's hometown. For example, "Saratoga Springs, NY".
IsAmateur	The player's amateur status. Values are "true" or "false".
Organization	The player's organization ID. It contains LIV Team ID.
OrganizationName	The player's organization name. It contains LIV Team ID.
Seed	The player's seed for this tournament.

Course Weather Data Feed

The Course Weather data feed contains the latest weather conditions (Wind Speed, Wind Direction, Temperature, Precipitation, Relative Humidity) per hole all holes all courses included. The Course Weather Data Feed file is updated every 15 minutes. The Course Weather XML looks similar to this:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<GolfDataFeed Type="CourseWeather" Timestamp="2016-06-14 15:15:30" HostOrganization="LIV">
 <Tournament ID="1">
   <Event ID="1">
    <Courses>
     <Course ID="1" Name="Pebble Beach Golf Links">
      <Hole ID="1">
       <Weather ID="2" Location="Fairway" WindSpeed="15.1" WindDirection="90" WindDirectionDesc="E" PrecipitationIn="0.14" PrecipitationMm="0.06" HumidityPct="49.1" TempC="21.4" TempF="71.8"/>
      </Hole>
      <Hole ID="2">
       <Weather ID="3" Location="Green" WindSpeed ="15.1" WindDirection="90" WindDirectionDesc="E" PrecipitationIn="0.14" PrecipitationMm="0.06" HumidityPct="49.1" TempC="21.4" TempF="71.8"/>
      </Hole>
      <Hole ID="3">
       <Weather ID="2" Location="Fairway" WindSpeed ="15.1" WindDirection="90" WindDirectionDesc="E" PrecipitationIn="0.14" PrecipitationMm="0.06" HumidityPct="49.1 " TempC="21.4" TempF="71.8"/>
      </Hole>
      <Hole ID="4">
       <Weather ID="2" Location="Fairway" WindSpeed ="15.1" WindDirection="90" WindDirectionDesc="E" PrecipitationIn="0.14" PrecipitationMm="0.06" HumidityPct ="49.1" TempC="21.4" TempF="71.8"/>
      </Hole>
      ...
      <Hole ID="18">
       <Weather ID="2" Location="Fairway" WindSpeed ="15.1" WindDirection="90" WindDirectionDesc="E" PrecipitationIn="0.14" PrecipitationMm="0.06" HumidityPct="49.1" TempC="21.4" TempF="71.8"/>
      </Hole>
     </Course>
    </Courses>
   </Event>
 </Tournament>
</GolfDataFeed>
```

Note: the tab spacing in this document is used for readability purposes only.

Filename: CourseWeather.xml.

Explanation of attributes for each element:

XML Declaration:

Attribute	Attribute Description
version	Specifies the version of the XML standard that the XML document conforms to is 1.0.
encoding	Specifies the XML document is encoded using the UTF-8 character set.

Element GolfDataFeed:

Attribute Name	Attribute Description
Type	Type of data feed. Always set to "CourseWeather" for Course Weather data feed.
Timestamp	Local date and time that the message was generated per ISO 8601 specification. Format: YYYY-MM-DDThh:mm:ssTZ, where TZ = +00:00, +hh:mm, or -hh:mm
HostOrganization	The organization that hosts the tournament. The possible value is "LIV".

Element Tournament:

Attribute Name	Attribute Description
ID	Tournament ID.

Element Event:

Attribute Name	Attribute Description
ID	Event ID.

Element Courses/Course:

Attribute Name	Attribute Description
ID	A unique number identifying the course.
Name	The name of the course.

Element Hole:

Attribute Name	Attribute Description
ID	The hole ID. Possible values are: Holes 1 thru 18.

Element Weather:

Attribute Name	Attribute Description
ID	Location ID. Possible values 1-Tee, 2-Fairway, 3-Green
Location	Location ID Name. Possible values "Tee", "Fairway", "Green" (Green for par 3's and Fairway for everything else).
WindSpeed	Wind speed (mph). The format is ##0.00.
WindDirection	Wind direction (deg). The format is ##0 (0-359).
WindDirectionDesc	Wind direction description. Possible values are: N, E, S, W, NE, SE, SW, NW.
TempF	Temperature (Fahrenheit). The format is ##0.0.
TempC	Temperature (Celsius). The format is ##0.0.
PrecipitationIn	Precipitation (Inches Today). The format is ####0.00.
PrecipitationMm	Precipitation (Millimeters Today). The format is ####0
HumidityPct	Relative humidity (%). The format is #0.0.

Player Data Feed

The Player data feed contains a player's round and hole scores (for all rounds with a valid tee time) for a given player. You will only receive one player in each player message. The player feed includes players who are on the active roster, the alternate, or removed lists. The initial data feed will be sent when a player is added to the system before the official pairings are released.

The active roster player XML looks similar to this:

```
<?xml version="1.0" encoding="UTF-8"?>
<GolfDataFeed Type="Player" Timestamp="2010-06-20T18:22:03-05:00" HostOrganization="LIV" TournamentID="1" EventID="1" EventCode="3454359355">
    <Player ID="25572" TourID="25572" TournamentID="15055" FirstName="Graeme" LastName="McDowell" Country="NIR" Hometown="Northern Ireland " IsAmateur="false" Status="1"
    StatusName="Playing" Height="74" Weight="220" DOB="1990-01-01" Organization="NIR" OrganizationName="Northern Ireland">
        <Round ID="1" CourseID="1" StartHole="1" Hole="18" HoleOrder="18" Score="71" OutScore="36" InScore="35" ScorecardStatus="2" `ScorecardStatusName="Official">
            <Hole ID="1" Order="1" Par="4" Score="3" ToPar="-1" GIR="true" FairwayHit="true" BunkerHit="false" SandSave="false" Putts="1" DriveDist="300.1" IsOfficialDDHole="false"/>
            <Hole ID="2" Order="2" Par="4" Score="5" ToPar="+1" GIR="false" FairwayHit="false" BunkerHit="false" SandSave="false" Putts="1" DriveDist="306.1" IsOfficialDDHole="true"/>
            <Hole ID="3" Order="3" Par="4" Score="5" ToPar="+1" GIR="false" FairwayHit="false" BunkerHit="true" SandSave="false" Putts="1" DriveDist="294.0" IsOfficialDDHole="false"/>
            <Hole ID="4" Order="4" Par="4" Score="4" ToPar="E" GIR="true" FairwayHit="true" BunkerHit="false" SandSave="false" Putts="2" DriveDist="315.0" IsOfficialDDHole="false"/>
            <Hole ID="5" Order="5" Par="3" Score="3" ToPar="E" GIR="true" FairwayHit="false" BunkerHit="false" SandSave="false" Putts="2" DriveDist="" IsOfficialDDHole="false"/>
            <Hole ID="6" Order="6" Par="5" Score="4" ToPar="-1" GIR="true" FairwayHit="true" BunkerHit="false" SandSave="false" Putts="2" DriveDist="305.2" IsOfficialDDHole="false"/>
            <Hole ID="7" Order="7" Par="3" Score="2" ToPar="-1" GIR="true" FairwayHit="false" BunkerHit="false" SandSave="false" Putts="1" DriveDist="" IsOfficialDDHole="false"/>
            <Hole ID="8" Order="8" Par="4" Score="4" ToPar="E" GIR="true" FairwayHit="true" BunkerHit="false" SandSave="false" Putts="2" DriveDist="290.5" IsOfficialDDHole="false"/>
            <Hole ID="9" Order="9" Par="4" Score="5" ToPar="+1" GIR="false" FairwayHit="false" BunkerHit="true" SandSave="false" Putts="2" DriveDist="275.6" IsOfficialDDHole="false"/>
            <Hole ID="10" Order="10" Par="4" Score="4" ToPar="E" GIR="false" FairwayHit="false" BunkerHit="true" SandSave="true" Putts="1" DriveDist="299.7" IsOfficialDDHole="false"/>
            <Hole ID="11" Order="11" Par="4" Score="4" ToPar="E" GIR="true" FairwayHit="true" BunkerHit="false" SandSave="false" Putts="2" DriveDist="301.4" IsOfficialDDHole="false"/>
            <Hole ID="12" Order="12" Par="3" Score="2" ToPar="-1" GIR="true" FairwayHit="false" BunkerHit="false" SandSave="false" Putts="1" DriveDist="" IsOfficialDDHole="false"/>
            <Hole ID="13" Order="13" Par="4" Score="4" ToPar="E" GIR="false" FairwayHit="true" BunkerHit="true" SandSave="true" Putts="1" DriveDist="311.6" IsOfficialDDHole="false"/>
            <Hole ID="14" Order="14" Par="5" Score="6" ToPar="+1" GIR="false" FairwayHit="true" BunkerHit="true" SandSave="false" Putts="2" DriveDist="269.2" IsOfficialDDHole="true"/>
            <Hole ID="15" Order="15" Par="4" Score="4" ToPar="E" GIR="true" FairwayHit="false" BunkerHit="false" SandSave="false" Putts="2" DriveDist="288.5" IsOfficialDDHole="false"/>
            <Hole ID="16" Order="16" Par="4" Score="3" ToPar="E" GIR="true" FairwayHit="true" BunkerHit="false" SandSave="false" Putts="1" DriveDist="248.7" IsOfficialDDHole="false"/>
            <Hole ID="17" Order="17" Par="3" Score="4" ToPar="+1" GIR="false" FairwayHit="false" BunkerHit="false" SandSave="false" Putts="2" DriveDist="" IsOfficialDDHole="false"/>
            <Hole ID="18" Order="18" Par="5" Score="5" ToPar="E" GIR="false" FairwayHit="true" BunkerHit="false" SandSave="false" Putts="1" DriveDist="315.6" IsOfficialDDHole="false"/>
        </Round>
        …
    </Player>
</GolfDataFeed>
```

The alternate player XML looks similar to this:

```
<?xml version="1.0" encoding="UTF-8"?>
<GolfDataFeed Type="Player" Timestamp="2010-06-20 18:22:03" HostOrganization="LIV" TournamentID="1" EventID="1" EventCode="3454359355">
    <Player ID="22000" TourID="22000" TournamentID="95683" FirstName="Chris" LastName="Wood" Country="ENG" Hometown="England"    IsAmateur="false" Status="-1"
    StatusName="Alternate" Height="74" Weight="220" DOB="1990-01-01" Organization="ENG" OrganizationName="England">
</GolfDataFeed>
```

The removed player XML looks similar to this (Removed player is the player who was in the active roster initially and was removed without a reason from the tournament):

```
<?xml version="1.0" encoding="UTF-8"?>
<GolfDataFeed Type="Player" Timestamp="2010-06-20T18:22:03-05:00" HostOrganization="LIV" TournamentID="1" EventID="1" EventCode="3454359355">
    <Player ID="08793" TourID="08793" TournamentID="7145" FirstName="Tiger" LastName="Woods" Country="USA" Hometown="Orlando, FL" IsAmateur="false" Status="-2"
    StatusName="Removed" Height="74" Weight="220" DOB="1990-01-01" Organization="USA" OrganizationName="United States">
</GolfDataFeed>
```
Note: the tab spacing in this document is used for readability purposes only.

Filename: player-#####.xml where ##### is a unique player ID.

Explanation of attributes for each element:

XML Declaration:

Attribute	Attribute Description
version	Specifies the version of the XML standard that the XML document conforms to is 1.0.
encoding	Specifies the XML document is encoded using the UTF-8 character set.

Element GolfDataFeed:

Attribute Name	Attribute Description
Type	Type of data feed. Always set to "Player" for Player data feed.
Timestamp	Local date and time that the message was generated per ISO 8601 specification. Format: YYYY-MM-DDThh:mm:ssTZ, where TZ = +00:00, +hh:mm, or -hh:mm
TournamentID	The unique tournament ID provided by the tournament.
HostOrganization	The organization that hosts the tournament. The possible value is "LIV".
EventID	The unique id of the event.
EventCode	The code of the event provided by the Host Organization.

Element Player:

Attribute Name	Attribute Description
ID	The unique id for the player used in the scoring system.
TourID	The unique id for the player provided by a Tour that host global player IDs. For example, MENA IDs provided by the MENA Tour. The value could be initially empty if the Tour has a delay generating this TourID. Once the TourID is provided by the Tour, this data feed will be resent with the new value. The same is applied when the Tour decides to change this TourID. The TourID could not be changed once the player has started first round.
TournamentID	The unique id for the player provided by the tournament. The value could be initially empty if the tournament has a delay generating the TournamentID. Once the TournamentID is provided by the tournament, this data feed will be resent with the new value. The same is applied when the tournament decides to change the TournamentID. This TournamentID could not be changed once the player has started first round.
FirstName	The player's first name.
LastName	The player's last name.
Country	The player's country code. For example "USA".
Hometown	The player's hometown. For example "Saratoga Springs, NY".
IsAmateur	The player's amateur status. Values are "true" or "false".
Status	A unique number identifying the current status of the player. Active Roster's possible values are 0 (Unknown), 1 (Playing), 2 (Cut), 3 (Withdraw), 4 (Disqualify), 5 (Did Not Start), 6 (Withdraw with Credit), 7 (Disqualify with Credit), 8 (Made Cut Did Not Play) Alternate Roster's possible value is -1 (Alternate) Removed Roster's possible value is -2 (Removed)
StatusName	The name for the current status of the player. Alternate Roster's possible values are "Unknown", "Playing", "Cut", "Withdraw", "Disqualify", "Did Not Start", "Withdraw with Credit", "Disqualify with Credit", "Made Cut Did Not Play" Alternate Roster's possible value is "Alternate" Removed Roster's possible value is "Removed"
Height	The player's height in inches
Weight	The player's weight in pounds
DOB	The player's date of birth in the format "YYYY-MM-DD"
Organization	The player's organization ID. It contain country Tri-Code or University ID for NCAA.
OrganizationName	The player's organization name. For example "USA" or "University of Florida"

Element Round:

Attribute Name	Attribute Description
ID	The round number. Round nodes only exist for rounds in which this player has a valid tee time. For a playoff round, the ID is a 3-digit number comprised of the last round of the tournament plus the digits "01". For example, if a 4-round tournament has a playoff round, the playoff round ID would be "401"; if a 3-round tournament has a playoff round, the playoff round ID would be "301". Playoff round scoring will not be available during the Masters. If a playoff round occurs during the Masters, the final posted data after the playoff round is completed will contain the updated finishing order.
CourseID	The course ID where this player is playing in this round.
Hole	The last hole the player completed. Ex. If a player started on the back nine (on Hole 10) and was playing the 11th hole, the Hole value would be "10". The value is "" when the player has not yet finished the first hole of the round.
HoleOrder	The last hole sequence number the player completed. Ex. If a player started on the back nine (on Hole 10) and was playing the 11th hole, the HoleOrder value would be "1". The value is "" when the player has not yet finished the first hole of the round.
StartHole	The start hole the player is scheduled to tees off from.
Score	The player's score for that round (available once the player completes that round). The value is "0" when the player has not yet finished the first hole of the round.
OutScore	The player's score for the front nine holes for that round (available once the player completes holes 1 thru 9 for that round). The value is "0" when the player has not yet finished the last front hole (hole 9).
InScore	The player's score for back nine holes for that round (available once the player completes holes 10 thru 18 of that round). The value is "0" when the player has not yet finished the last back hole (hole 18).
ScorecardStatus	The player's scorecard status for that round. Possible values are 0 (Not Started), 1 (Started), 2 (Finished), 3 (Official).
ScorecardStatusName	The player's scorecard status name for that round. Possible values are "Not Started", "Started", "Finished", "Official".
IsTeamPlayoff	Boolean to indicate if playoff round is for Teams or Players. Applies only to round IDs greater than 100.

Element Hole:

Attribute Name	Attribute Description
ID	The hole number.
Order	Sequence the holes were played.
Par	Par value of this hole.
Score	The player's score on that hole. Holes not played will contain a value of "0".
ToPar	The player's par relative score on that hole. Holes not played will contain an empty value. The value is "E" for even par relative values.
GIR	Green in Regulation. Value of "true" or "false". Holes not played will contain a value of "false".
FairwayHit	Value of "true" or "false". Holes not played will contain a value of "false".
BunkerHit	Value of "true" or "false". Holes not played will contain a value of "false".
SandSave	Value of "true" or "false". Holes not played will contain a value of "false".
Putts	Number of putts for the hole. Holes not played will contain a value of "0".
DriveDist	Typically only measured on 2 holes on a golf course. Default value is "". Syntax: "00#.0"
IsOfficialDDHole	Value of "true" or "false". Official Drive Distance holes will have value of "true".

Player Strokes Data Feed

The Player Strokes data feed contains a player's round and hole scores (for all rounds with a valid tee time) for a given player including stroke-by-stroke data. Stroke data may include weather data[1]. The player stroke XML looks similar to this:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<GolfDataFeed Type="PlayerStrokes" Timestamp="2010-06-20T18:15:30-05:00" HostOrganization="LIV" TournamentID="1""EventID="1" EventCode="3454359355">
    <Player ID="25572" TourID="25572" TournamentID="15055" FirstName="Graeme" LastName="McDowell" Country="NIR" Hometown="Northern Ireland " IsAmateur="false" Status="1" StatusName="Playing" Height="74"
    Weight="220" DOB="1990-01-01" Organization="NIR" OrganizationName="Northern Ireland">
        <Round ID="1" Hole="18" HoleOrder="18" CourseID="1" StartHole="1" Score="71" OutScore="36" InScore="35" ScorecardStatus="2" ScorecardStatusName="Official">
            <Hole ID="1" Order="1" Par="4" Score="3" ToPar="-1" GIR="true" FairwayHit="true" BunkerHit="false" SandSave="false" Putts="1" DriveDist="">
                <Stroke Num="1" Type="1" Date="2010-06-17" Time="12:54:23" From="Tee" InTheHole="false" Cl="10" El="2" Sl="2" Lie="0">
                    <Weather WindSpeed="004.96" WindDirection="266" WindDirectionDesc="SW" TempF="68.4" TempC="20.2" PrecipitationIn="0.13" PrecipitationMm="0.6" HumidityPct="64.2" />
                </Stroke>
                <Stroke Num="2" Type="1" Date="2010-06-17" Time="12:58:41" From="Fairway" InTheHole="false" Cl="0" El="2" Sl="2" Lie="0">
                    <Weather WindSpeed="004.96" WindDirection="266" WindDirectionDesc="SW" TempF="68.4" TempC="20.2" PrecipitationIn="0.13" PrecipitationMm="0.6" HumidityPct="64.2" />
                </Stroke>
                <Stroke Num="3" Type="1" Date="2010-06-17" Time="13:02:38" From="Green" InTheHole="true" Cl="0" El="2" Sl="2" Lie="0">
                    <Weather WindSpeed="004.96" WindDirection="266" WindDirectionDesc="SW" TempF="68.4" TempC="20.2" PrecipitationIn="0.13" PrecipitationMm="0.6" HumidityPct="64.2" />
                </Stroke>
            </Hole>
            <Hole ID="2" Order="2" Par="4" Score="5" ToPar="+1" GIR="false" FairwayHit="false" BunkerHit="false" SandSave="false" Putts="1" DriveDist="306.1" IsOfficialDDHole="true">
                <Stroke Num="1" Type="1" Date="2010-06-17" Time="13:14:56" From="Tee" InTheHole="false" Cl="10" El="2" Sl="2" Lie="0">
                    <Weather WindSpeed="004.96" WindDirection="266" WindDirectionDesc="SW" TempF="68.4" TempC="20.2" PrecipitationIn="0.13" PrecipitationMm="0.6" HumidityPct="64.2" />
                </Stroke>
                <Stroke Num="2" Type="1" Date="2010-06-17" Time="13:16:57" From="Fairway Bunker" InTheHole="false" Cl="0" El="2" Sl="2" Lie="0">
                    <Weather WindSpeed="004.96" WindDirection="266" WindDirectionDesc="SW" TempF="68.4" TempC="20.2" PrecipitationIn="0.13" PrecipitationMm="0.6" HumidityPct="64.2" />
                </Stroke>
                <Stroke Num="3" Type="1" Date="2010-06-17" Time="13:22:34" From="Fairway" InTheHole="false" Cl="0" El="2" Sl="2" Lie="0">
                    <Weather WindSpeed="004.96" WindDirection="266" WindDirectionDesc="SW" TempF="68.4" TempC="20.2" PrecipitationIn="0.13" PrecipitationMm="0.6" HumidityPct="64.2" />
                </Stroke>
                <Stroke Num="4" Type="1" Date="2010-06-17" Time="13:25:57" From="Fringe" InTheHole="false" Cl="0" El="2" Sl="2" Lie="0">
                    <Weather WindSpeed="004.96" WindDirection="266" WindDirectionDesc="SW" TempF="68.4" TempC="20.2" PrecipitationIn="0.13" PrecipitationMm="0.6" HumidityPct="64.2" />
                </Stroke>
                <Stroke Num="5" Type="1" Date="2010-06-17" Time="13:27:20" From="Green" InTheHole="true" Cl="0" El="2" Sl="2" Lie="0">
                    <Weather WindSpeed="004.96" WindDirection="266" WindDirectionDesc="SW" TempF="68.4" TempC="20.2" PrecipitationIn="0.13" PrecipitationMm="0.6" HumidityPct="64.2" />
                </Stroke>
            </Hole>
            <Hole ID="3" Order="3" Par="4" Score="5" ToPar="+1" GIR="false" FairwayHit="false" BunkerHit="true" SandSave="false" Putts="1" DriveDist="" IsOfficialDDHole="false">
                <Stroke Num="1" Type="1" Date="2010-06-17" Time="13:38:14" From="Tee" InTheHole="false" Cl="10" El="2" Sl="2" Lie="0">
                    <Weather WindSpeed="004.96" WindDirection="266" WindDirectionDesc="SW" TempF="68.4" TempC="20.2" PrecipitationIn="0.13" PrecipitationMm="0.6" HumidityPct="64.2" />
                </Stroke>
                <Stroke Num="2" Type="1" Date="2010-06-17" Time="13:38:21" From="Fairway Bunker" InTheHole="false" Cl="0" El="2" Sl="2" Lie="0">
                    <Weather WindSpeed="004.96" WindDirection="266" WindDirectionDesc="SW" TempF="68.4" TempC="20.2" PrecipitationIn="0.13" PrecipitationMm="0.6" HumidityPct="64.2" />
                </Stroke>
                <Stroke Num="3" Type="1" Date="2010-06-17" Time="13:50:21" From="Greenside Bunker" InTheHole="false" Cl="0" El="2" Sl="2" Lie="0">
                    <Weather WindSpeed="004.96" WindDirection="266" WindDirectionDesc="SW" TempF="68.4" TempC="20.2" PrecipitationIn="0.13" PrecipitationMm="0.6" HumidityPct="64.2" />
                </Stroke>
                <Stroke Num="4" Type="1" Date="2010-06-17" Time="13:50:30" From="Intermediate Rough" InTheHole="false" Cl="0" El="2" Sl="2" Lie="0">
                    <Weather WindSpeed="004.96" WindDirection="266" WindDirectionDesc="SW" TempF="68.4" TempC="20.2" PrecipitationIn="0.13" PrecipitationMm="0.6" HumidityPct="64.2" />
                </Stroke>
                <Stroke Num="5" Type="1" Date="2010-06-17" Time="13:52:40" From="Green" InTheHole="true" Cl="0" El="2" Sl="2" Lie="0">
                    <Weather WindSpeed="004.96" WindDirection="266" WindDirectionDesc="SW" TempF="68.4" TempC="20.2" PrecipitationIn="0.13" PrecipitationMm="0.6" HumidityPct="64.2" />
                </Stroke>
            </Hole>
            ...
        </Round>
        ...
    </Player>
</GolfDataFeed>
```

Note: the tab spacing in this document is used for readability purposes only.

Filename: playerstrokes-#####.xml where ##### is a unique player ID.

---

[1] Assumption weather stations are available at this tournament.

Explanation of attributes for each element:

XML Declaration:

Attribute	Attribute Description
version	Specifies the version of the XML standard that the XML document conforms to is 1.0.
encoding	Specifies the XML document is encoded using the UTF-8 character set.

Element GolfDataFeed:

Attribute Name	Attribute Description
Type	Type of data feed. Always set to "PlayerStrokes" for Player Strokes data feed.
Timestamp	Local date and time that the message was generated per ISO 8601 specification. Format: YYYY-MM-DDThh:mm:ssTZ, where TZ = +00:00, +hh:mm, or -hh:mm
TournamentID	The unique tournament ID.
HostOrganization	The organization that hosts the tournament. The possible value is "LIV".
EventID	The unique id of the event.
EventCode	The code of the event provided by the Host Organization.

Element Player:

Attribute Name	Attribute Description
ID	The unique id for the player used in the scoring system.
TourID	The unique id for the player provided by a Tour that host global player IDs. For example, MENA IDs provided by the MENA Tour. The value could be initially empty if the Tour has a delay generating this TourID. Once the TourID is provided by the Tour, this data feed will be resent with the new value. The same is applied when the Tour decides to change this TourID. The TourID could not be changed once the player has started first round.
TournamentID	The unique id for the player provided by the tournament. The value could be initially empty if the tournament has a delay generating the TournamentID. Once the TournamentID is provided by the tournament, this data feed will be resent with the new value. The same is applied when the tournament decides to change the TournamentID. This TournamentID could not be changed once the player has started first round.
FirstName	The player's first name.
LastName	The player's last name.
Country	The player's country code. For example, "USA".
Hometown	The player's hometown. For example, "Saratoga Springs, NY".
IsAmateur	The player's amateur status. Values are "true" or "false".
Status	A unique number identifying the current status of the player. Possible values are 0 (Unknown), 1 (Playing), 2 (Cut), 3 (Withdraw), 4 (Disqualify), 5 (Did Not Start), 6 (Withdraw with Credit), 7 (Disqualify with Credit), 8 (Made Cut Did Not Play)
StatusName	The name for the current status of the player. Possible values are "Unknown", "Playing", "Cut", "Withdraw", "Disqualify", "Did Not Start", "Withdraw with Credit", "Disqualify with Credit", "Made Cut Did Not Play"
Height	The player's height in inches
Weight	The player's weight in pounds
DOB	The player's date of birth in the format "YYYY-MM-DD"
Organization	The player's organization ID. It contains country Tri-Code or University ID for NCAA.
OrganizationName	The player's organization name. For example, "USA" or "University of Florida"

Element Round:

Attribute Name	Attribute Description
ID	The round number. Round nodes only exist for rounds in which this player has a valid tee time. For a playoff round, the ID is a 3-digit number comprised of the last round of the tournament plus the digits "01". For example, if a 4-round tourment has a playoff round, the playoff round ID would be "401"; if a 3-round tournament has a playoff round, the playoff round ID would be "301".
CourseID	The course ID where this player is playing in this round.
Hole	The last hole the player completed. Ex. If a player started on the back nine (on Hole 10) and was playing the 11th hole, the Hole value would be "10". The value is "" when the player has not yet finished the first hole of the round.
HoleOrder	The last hole sequence number the player completed. Ex. If a player started on the back nine (on Hole 10) and was playing the 11th hole, the HoleOrder value would be "1". The value is "" when the player has not yet finished the first hole of the round.
StartHole	The start hole the player is scheduled to tees off from.
Score	The player's score for that round (available once the player completes that round). The value is "0" when the player has not yet finished the first hole of the round.
OutScore	The player's score for the front nine holes for that round (available once the player completes holes 1 thru 9 for that round). The value is "0" when the player has not yet finished the last front hole (hole 9).
InScore	The player's score for back nine holes for that round (available once the player completes holes 10 thru 18 of that round). The value is "0" when the player has not yet finished the last back hole (hole 18).
ScorecardStatus	The player's scorecard status for that round. Possible values are 0 (Not Started), 1 (Started), 2 (Finished), 3 (Official).
ScorecardStatusName	The player's scorecard status name for that round. Possible values are "Not Started", "Started", "Finished", "Official".
IsTeamPlayoff	Boolean to indicate if playoff round is for Teams or Players. Applies only to round IDs greater than 100.

Element Hole:

Attribute Name	Attribute Description
ID	The hole number.
Order	Sequence the holes were played.
Par	Par value of this hole.
Score	The player's score on that hole. Holes not played will contain a value of "0".
ToPar	The player's par relative score on that hole. Holes not played will contain an empty value. The value is "E" for even par relative values.
GIR	Green in Regulation. Value of "true" or "false". Holes not played will contain a value of "false".
FairwayHit	Value of "true" or "false". Holes not played will contain a value of "false".
BunkerHit	Value of "true" or "false". Holes not played will contain a value of "false".
SandSave	Value of "true" or "false". Holes not played will contain a value of "false".
Putts	Number of putts for the hole. Holes not played will contain a value of "0".
DriveDist	Typically only measured on 2 holes on a golf course. Default value is "". Syntax: "00#.0"
IsOfficialDDHole	Value of "true" or "false". Official Drive Distance holes will have value of "true".

Element Stroke:

Attribute Name	Attribute Description
Num	Sequential stroke number for the hole played.
Date	Local date when the stroke occurred in the format "yyyy-mm-dd".
Time	Local time when the stroke occurred in military time (24-hour clock) format "hh:mm:ss".
Type	The type of stroke - integer value. Possible values are: 0 – "Unknown", 1 - "Normal", 2 - "Provisional", 3 - "Penalty", and 4 - "Drop".
From	Description of the lie of the ball for the specific stroke. Possible values are "Tee", "Fairway", "Fairway Bunker", "Primary Rough", "Intermediate Rough", "First Cut Rough", "Second Cut Rough", "Greenside Bunker", "Fringe", "Green", "Other", "Pine Straw", "Native Area" and "Unknown". The attribute will be blank if Stroke/@Type is "Penalty" or "Drop"
InTheHole	Value of "true" or "false". This attribute appears only when the specific stroke results with the ball in the hole.
Cl	A unique number identifying the type of the club used. Possible values are: "0" (Unknown), "10" (Driver), "11" (Fwy Wood), "15" (Iron).
El	A unique number identifying the elevation of the stroke. Possible values are: "0" (Unknown), "1" (Above), "2" (Even With), "3" (Below).
Sl	A unique number identifying the slope of the stroke. Possible values are: "0" (Unknown), "1" (Uphill), "2" (Level), "3" (Downhill).
Lie	A unique number identifying the lie of the stroke. Possible values are: "0" (Unknown), "1" (Good), "2" (Divot), "3" (Buried).

Element Weather:

Attribute Name	Attribute Description
WindSpeed	Wind speed (mph). The format is ##0.00.
WindDirection	Wind direction (deg). The format is ##0 (0-359).
WindDirectionDesc	Wind direction description. Possible values are: N, E, S, W, NE, SE, SW, NW.
TempF	Temperature (Fahrenheit). The format is ##0.0.
TempC	Temperature (Celsius). The format is #0.0.
PrecipitationIn	Precipitation (Inches Today). The format is ####0.00.
PrecipitationMm	Precipitation (Millimeters Today). The format is ####0.
HumidityPct	Relative humidity (%). The format is #0.0.

Player Summary Data Feed

The Player Summary data feed contains a player's tournament summary data broken by round and total, and YTD statistical data. Only one player will be in each message. The player summary feed includes players who are on the active roster. This feed is sent when the appropriate score and stat data is updated in the scoring system. The History element will remain static and will never include data from the current tournament at the current tournament. The Player Summary XML looks similar to this:

```
<?xml version="1.0" encoding="UTF-8"?>
<GolfDataFeed Type="PlayerSummary" Timestamp="2010-06-20T18:22:03-05:00" HostOrganization="LIV" "EventID="1" EventCode="3454359355">
    <Player ID="25572" TourID="25572" TournamentID="15055" FirstName="Graeme" LastName="McDowell" Country="NIR" Hometown="Northern Ireland " IsAmateur="false" Height="74" Weight="220"
DOB="1990-01-01" Organization="NIR" OrganizationName="Northern Ireland">
        <Tournament ID="1" Round="2" Hole="9" HoleOrder="18" StartHole="10" Total="-1" Today="E" Status="1" StatusName="Playing">
            <ScoringStats Miracles="0" Eagles="1" Birdies="4" Pars="27" Bogeys="3" DoubleBogeys="1" Disasters="" Par3s="E" Par4s="-2" Par5s="+1"/>
            <Stats>
                <Stat ID="GIR" Value="21" Avg="10.50" Opp="36" Pct="58.33"/>
                <Stat ID="FH" Value="10" Avg="5.00" Opp="28" Pct="35.71"/>
                <Stat ID="SS" Value="6" Avg="3.00" Opp="10" Pct="60.00"/>
                <Stat ID="DD" Value="981.8" Avg="245.5" Opp="4" Pct=""/>
                <Stat ID="Putts" Value="58" Avg="29.0" Opp="" Pct=""/>
                <Stat ID="PA" Value="58" Avg="1.781" Opp="" Pct=""/>
                <Stat ID="LD" Value="280.0" Avg="" Opp="" Pct=""/>
                <Stat ID="SA" Value="143" Avg="71.500" Opp="2" Pct=""/>
            </Stats>
            <Rounds>
                <Round ID="1" CourseID="1" StartHole="1" Hole="18" HoleOrder="18" Score="71" OutScore="36" InScore="35" ScorecardStatus="3" ScorecardStatusName="Official">
                    <ScoringStats Miracles="0" Eagles="1" Birdies="3" Pars="11" Bogeys="2" DoubleBogeys="1" Disasters="" Par3s="E" Par4s="-2" Par5s="+1"/>
                    <Stats>
                        <Stat ID="GIR" Value="11" Avg="" Opp="18" Pct="61.11"/>
                        <Stat ID="FH" Value="5" Avg="" Opp="14" Pct="35.14"/>
                        <Stat ID="SS" Value="4" Avg="" Opp="8" Pct="50.00"/>
                        <Stat ID="DD" Value="499.0" Avg="249.5" Opp="2" Pct=""/>
                        <Stat ID="Putts" Value="30" Avg="" Opp="" Pct=""/>
                        <Stat ID="PA" Value="30" Avg="1.781" Opp="" Pct=""/>
                        <Stat ID="LD" Value="280.0" Avg="" Opp="" Pct=""/>
                        <Stat ID="SA" Value="71" Avg="" Opp="" Pct=""/>
                    </Stats>
                </Round>
                …
            </Rounds>
        </Tournament>
        <History ID="YTD">
            <ScoringStats Miracles="0" Eagles="1" Birdies="2" Pars="20" Bogeys="2" DoubleBogeys="1" Disasters="" Par3s="E" Par4s="-1" Par5s="+1"/>
            <Stats>
                <Stat ID="GIR" Value="53" Avg="13.25" Opp="72" Pct="73.61"/>
                <Stat ID="FH" Value="51" Avg="12.75" Opp="56" Pct="91.07"/>
                <Stat ID="SS" Value="53" Avg="13.25" Opp="72" Pct="73.61"/>
                <Stat ID="DD" Value="2515.0" Avg="314.38" Opp="8" Pct=""/>
                <Stat ID="Putts" Value="130" Avg="32.50" Opp="4" Pct=""/>
                <Stat ID="PA" Value="130" Avg="1.781" Opp="" Pct=""/>
                <Stat ID="LD" Value="280.5" Avg="" Opp="8" Pct=""/>
                <Stat ID="T10" Value="4" Avg="" Opp="19" Pct="21"/>
            </Stats>
        </History>
    </Player>
</GolfDataFeed>
```
Note: the tab spacing in this document is used for readability purposes only.

Filename: PlayerSummary-#####.xml where ### is a unique player ID

<u>Explanation of attributes for each element:</u>

XML Declaration:

Attribute	Attribute Description
version	Specifies the version of the XML standard that the XML document conforms to is 1.0.
encoding	Specifies the XML document is encoded using the UTF-8 character set.

Element GolfDataFeed:

Attribute Name	Attribute Description
Type	Type of data feed. Always set to "PlayerSummary" for Player Summary data feed.
Timestamp	Local date and time that the message was generated per ISO 8601 specification. Format: YYYY-MM-DDThh:mm:ssTZ, where TZ = +00:00, +hh:mm, or -hh:mm
HostOrganization	The organization that hosts the tournament. The possible value is "LIV".
EventID	The unique id of the event.
EventCode	The code of the event provided by the Host Organization.

Element Player:

Attribute Name	Attribute Description
ID	The unique id for the player used in the scoring system.
TourID	The unique id for the player provided by a Tour that host global player IDs. For example, MENA IDs provided by the MENA Tour. The value could be initially empty if the Tour has a delay generating this TourID. Once the TourID is provided by the Tour, this data feed will be resent with the new value. The same is applied when the Tour decides to change this TourID. The TourID could not be changed once the player has started first round.
FirstName	The player's first name.
LastName	The player's last name.
Country	The player's country code. For example, "USA".
Hometown	The player's hometown. For example, "Saratoga Springs, NY".
IsAmateur	The player's amateur status. Values are "true" or "false".
Height	The player's height in inches
Weight	The player's weight in pounds
DOB	The player's date of birth in the format "YYYY-MM-DD"
Organization	The player's organization ID. It contains country Tri-Code or University ID for NCAA.
OrganizationName	The player's organization name. For example, "USA" or "University of Florida"

Element Tournament:

Attribute Name	Attribute Description
ID	The unique tournament ID provided by the tournament.
Round	The player's current round of the event (could be different from the Leaderboard CurrentRound especially for players who are WD, CUT, DQ).
Hole	The last hole the player completed for the player's current round of the event.
HoleOrder	The last hole sequence number the player completed for the player's current round of the event.
StartHole	The start hole the player tees off for the player's current round of the event.
Total	The player's par relative value for the event. The value is "E" for even par relative values. The value is empty when the player has not started yet.
Today	The player's par relative value for the current round. It could be empty if the player does not play in the current round, i.e. CUT, WD. The value is "E" for even par relative values. The value is empty when the player has not started yet.
Status	A unique number identifying the current status of the player. Active Roster's possible values are 0 (Unknown), 1 (Playing), 2 (Cut), 3 (Withdraw), 4 (Disqualify), 5 (Did Not Start), 6 (Withdraw with Credit), 7 (Disqualify with Credit), 8 (Made Cut Did Not Play) Alternate Roster's possible value is -1 (Alternate).
StatusName	The name for the current status of the player. Active Roster's possible values are "Unknown", "Playing", "Cut", "Withdraw", "Disqualify", "Did Not Start", "Withdraw with Credit", "Disqualify with Credit", "Made Cut Did Not Play" Alternate Roster's possible value is "Alternate".

Element Round:

Attribute Name	Attribute Description
ID	The round number. Round nodes only exist for rounds in which this player has a valid tee time and stats. For a playoff round, the ID is a 3-digit number comprised of the last round of the tournament plus the digits "01". For example, if a 4-round tournament has a playoff round, the playoff round ID would be "401"; if a 3-round tournament has a playoff round, the playoff round ID would be "301".
CourseID	The course ID where this player is playing in this round.
Hole	The last hole the player completed. Ex. If a player started on the back nine (on Hole 10) and was playing the 11th hole, the Hole value would be "10". The value is "" when the player has not yet finished the first hole of the round.
HoleOrder	The last hole sequence number the player completed. Ex. If a player started on the back nine (on Hole 10) and was playing the 11th hole, the HoleOrder value would be "1". The value is "" when the player has not yet finished the first hole of the round.
StartHole	The start hole the player is scheduled to tees off from.
Score	The player's score for that round (available once the player completes that round). The value is "0" when the player has not yet finished the first hole of the round.
OutScore	The player's score for the front nine holes for that round (available once the player completes holes 1 thru 9 for that round). The value is "0" when the player has not yet finished the last front hole (hole 9).
InScore	The player's score for back nine holes for that round (available once the player completes holes 10 thru 18 of that round). The value is "0" when the player has not yet finished the last back hole (hole 18).
ScorecardStatus	The player's scorecard status for that round. Possible values are 0 (Not Started), 1 (Started), 2 (Finished), 3 (Official).
ScorecardStatusName	The player's scorecard status name for that round. Possible values are "Not Started", "Started", "Finished", "Official".

Elements Tournament/ScoringStats, Tournament/Rounds/Round/ScoringStats and History/ScoringStats:

Attribute Name	Attribute Description
Miracles	Number of Hole Scores better than Eagle
Eagles	Number of Eagles
Birdies	Number of Birdies
Pars	Number of Pars
Bogeys	Number of Bogeys
DoubleBogeys	Number of Double Bogeys
Disasters	Number of Hole Scores worse than Double Bogeys
Par3s	Par Relative Score of the par 3 only. The value is "E" for even par relative values
Par4s	Par Relative Score of the par 4 only. The value is "E" for even par relative values
Par5s	Par Relative Score of the par 5 only. The value is "E" for even par relative values

Element Tournament/Stats/Stat:

Attribute Name	Attribute Description
ID	The unique ID for the stat list. The possible values are: "LD" – Longest Drive "DD" – Drive Distance "GIR" – Greens in Regulation "FH" – Fairway Hits "SS" – Sand Saves "Putts" – Total Putting "PA" – Putting Average "SA" – Scoring Average
Value	The total value of the stat. <table><tr><td>ID</td><td>Availability (If no valid data exists, empty string "" is written to the data feed).</td><td>Attribute Format</td></tr><tr><td>LD</td><td>Updated after official drive distance holes. Only applies to drive distances holes.</td><td>N (##0.0) or ""</td></tr><tr><td>DD</td><td>Updated after official drive distance holes. Only applies to drive distances holes.</td><td>N (##0.0) or ""</td></tr><tr><td>GIR</td><td>Updated after each hole.</td><td>N (##0) or ""</td></tr><tr><td>FH</td><td>Updated after each hole.</td><td>N (##0) or ""</td></tr><tr><td>SS</td><td>Updated after each hole.</td><td>N (##0) or ""</td></tr><tr><td>Putts</td><td>Updated after each hole.</td><td>N (##0) or ""</td></tr><tr><td>PA</td><td>Updated after each hole.</td><td>N (##0) or ""</td></tr><tr><td>SA</td><td>Updated after each completed round. Only includes data from completed rounds.</td><td>N (##0) or ""</td></tr></table>
Avg	The average value that calculated by dividing value by opportunities. <table><tr><td>ID</td><td>Availability (If no valid data exists, empty string "" is written to the data feed).</td><td>Attribute Format</td></tr><tr><td>LD</td><td>Always empty string ""</td><td>""</td></tr><tr><td>DD</td><td>Updated after official drive distance holes. Only applies to drive distances holes.</td><td>N (##0.0) or ""</td></tr><tr><td>GIR</td><td>Updated after each completed round. Only includes data from completed rounds.</td><td>N (#0.00) or ""</td></tr><tr><td>FH</td><td>Updated after each completed round. Only includes data from completed rounds.</td><td>N (#0.00) or ""</td></tr><tr><td>SS</td><td>Updated after each completed round. Only includes data from completed rounds.</td><td>N (#0.00) or ""</td></tr><tr><td>Putts</td><td>Updated after each completed round. Only includes data from completed rounds. This stat is a per round average.</td><td>N (#0.00) or ""</td></tr><tr><td>PA</td><td>Updated after each completed hole. This is a putting per hole average.</td><td>N (#0.000) or ""</td></tr><tr><td>SA</td><td>Updated after each completed round. Only includes data from completed rounds.</td><td>N (#0.000) or ""</td></tr></table>
Opp	The total opportunities that a player had for a particular stat. Only valid for "FH", "SS", "DD" and "GIR". The attribute will be written as empty string "" for all other stats. Attribute format always N (##0).
Pct	The percent value based on total value and opportunities. Only valid for "FH", "SS" and "GIR". The attribute will be written as empty string "" for all other stats. Attribute format always N (##0.00).

Element Tournament/Rounds/Round/Stats/Stat:

Attribute Name	Attribute Description
ID	The unique ID for the stat list. The possible values are: "LD" – Longest Drive "DD" – Drive Distance "GIR" – Greens in Regulation "FH" – Fairway Hits "SS" – Sand Saves "Putts" – Total Putting "PA" – Putting Average "SA" – Scoring Average
Value	The total value of the stat. {VALUE_TABLE}
Avg	The average value that calculated by dividing value by opportunities. {AVG_TABLE}
Opp	The total opportunities that a player had for a particular stat. Only valid for "FH", "SS", "DD" and "GIR". The attribute will be written as empty string "" for all other stats. Attribute format always N (##0).
Pct	The percent value based on total value and opportunities. Only valid for "FH", "SS" and "GIR". The attribute will be written as empty string "" for all other stats. Attribute format always N (##0.00).

Value table ({VALUE_TABLE}):

ID	Availability (If no valid data exists, empty string "" is written to the data feed).	Attribute Format
LD	Updated after official drive distance holes. Only applies to drive distances holes.	N (##0.0) or ""
DD	Updated after official drive distance holes. Only applies to drive distances holes.	N (##0.0) or ""
GIR	Updated after each hole.	N (##0) or ""
FH	Updated after each hole.	N (##0) or ""
SS	Updated after each hole.	N (##0) or ""
Putts	Updated after each hole.	N (##0) or ""
PA	Updated after each hole.	N (##0) or ""
SA	Updated after each completed round. Only includes data from completed rounds.	N (##0) or ""

Avg table ({AVG_TABLE}):

ID	Availability (If no valid data exists, empty string "" is written to the data feed).	Attribute Format
LD	Always empty string ""	""
DD	Updated after official drive distance holes. Only applies to drive distances holes.	N (##0.0) or ""
GIR	Always empty string ""	""
FH	Always empty string ""	""
SS	Always empty string ""	""
Putts	Always empty string ""	""
PA	Updated after each played hole.	N (#0.000) or ""
SA	Always empty string ""	""

Element History:

This element is not available for all tournaments.

Attribute Name	Attribute Description
ID	The unique ID of the historical dataset. The possible values are: "YTD" – Year To Date, "Career" – Career, "Majors" – Tournaments classified as Majors.

Elements History/Stats/Stat:

History stats do not contain any data from the tournament being played. They are static from the beginning of the tournament.

Attribute Name	Attribute Description
ID	The unique ID for the stat list. The possible values are: "T10" – Top 10 Finishes "LD" – Longest Drive "DD" – Drive Distance "GIR" – Greens in Regulation "FH" – Fairway Hits "SS" – Sand Saves "Putts" – Total Putting "PA" – Putting Average "SA" – Scoring Average
Value	The total value of the stat.<table><tr><th>ID</th><th>Availability (If no valid data exists, empty string "" is written to the data feed).</th><th>Attribute Format</th></tr><tr><td>T10</td><td>Prior to tournament and static throughout tournament.</td><td>N (##0) or ""</td></tr><tr><td>LD</td><td>Prior to tournament and static throughout tournament.</td><td>N (##0.0) or ""</td></tr><tr><td>DD</td><td>Always empty string ""</td><td>""</td></tr><tr><td>GIR</td><td>Prior to tournament and static throughout tournament.</td><td>N (##0) or ""</td></tr><tr><td>FH</td><td>Prior to tournament and static throughout tournament.</td><td>N (##0) or ""</td></tr><tr><td>SS</td><td>Prior to tournament and static throughout tournament.</td><td>N (##0) or ""</td></tr><tr><td>Putts</td><td>Always empty string ""</td><td>""</td></tr><tr><td>PA</td><td>Always empty string ""</td><td>""</td></tr><tr><td>SA</td><td>Always empty string ""</td><td>""</td></tr></table>
Avg	The average value that calculated by dividing value by opportunities.<table><tr><th>ID</th><th>Availability (If no valid data exists, empty string "" is written to the data feed).</th><th>Attribute Format</th></tr><tr><td>T10</td><td>Always empty string ""</td><td>""</td></tr><tr><td>LD</td><td>Always empty string ""</td><td>""</td></tr><tr><td>DD</td><td>Prior to tournament and static throughout tournament.</td><td>N (##0.0) or ""</td></tr><tr><td>GIR</td><td>Always empty string ""</td><td>""</td></tr><tr><td>FH</td><td>Always empty string ""</td><td>""</td></tr><tr><td>SS</td><td>Always empty string ""</td><td>""</td></tr><tr><td>Putts</td><td>Prior to tournament and static throughout tournament. Per round average.</td><td>N (#0.00) or ""</td></tr><tr><td>PA</td><td>Prior to tournament and static throughout tournament. Per hole average.</td><td>N (#0.000) or ""</td></tr><tr><td>SA</td><td>Prior to tournament and static throughout tournament.</td><td>N (#0.00) or ""</td></tr></table>
Opp	The total opportunities that a player had for a particular stat. Only valid for "FH", "SS", "T10" and "GIR". The attribute will be written as empty string "" for all other stats. Attribute format always N (##0).
Pct	The percent value based on total value and opportunities. Only valid for "FH", "SS", "T10" and "GIR". The attribute will be written as empty string "" for all other stats. Attribute format always N (##0.00).

Leaderboard Data Feed

The Leaderboard data feed contains the ordered list of players (and their scores) for the entire event.
To further clarify, the players in the Leaderboard XML are all players who were on active roster in the tournament at any given point including players that are cut, withdrawn, disqualified, etc.

The leaderboard XML looks similar to this:

```
<?xml version="1.0" encoding="UTF-8"?>
<GolfDataFeed Type="Leaderboard" Timestamp="2012-01-11T18:12:12-05:00" HostOrganization="LIV">
  <Tournament ID="1">
    <Event ID="1" Code="3454359355">
      <Leaderboard CurrentRound="3" CutRound="2" CutLine="72" CutScore="+4">
        <Player ID="28237" TourID="28237" TournamentID="73414" FirstName="Rory" LastName="McIlroy" Country="NIR" IsAmateur="false" Rank="1" RankOrder="1" Hole="F" HoleOrder="18" StartHole="1" Total="-16"
      Today="-2" TotalScore="268" Status="1" StatusName="Playing" CurrentRound="4" Organization="NIR" OrganizationName="Northern Ireland">
          <Round ID="1" CourseID="1" Hole="F" HoleOrder="18" Score="65" TotalScore="65" RoundRank="1" RoundRankOrder="1" Rank="1" RankOrder="1" RoundParRelative="-6" ParRelative="-6"/>
          <Round ID="2" CourseID="1" Hole="F" HoleOrder="18" Score="66" TotalScore="131" RoundRank="T1" RoundRankOrder="1" Rank="1" RankOrder="1" RoundParRelative="-5" ParRelative="-11"/>
          <Round ID="3" CourseID="1" Hole="F" HoleOrder="18" Score="68" TotalScore="199" RoundRank="T5" RoundRankOrder="9" Rank="1" RankOrder="1" RoundParRelative="-3" ParRelative="-14"/>
          <Round ID="301" CourseID="1" Hole="F" HoleOrder="18" Score="69" TotalScore="268" RoundRank="T13" RoundRankOrder="18" Rank="1" RankOrder="1" RoundParRelative="-2" ParRelative="-16"
          IsTeamPlayoff="false"/>
        </Player>
        <Player ID="28089" TourID="28089" TournamentID="100605" FirstName="Jason" LastName="Day" Country="AUS" IsAmateur="false" Rank="2" RankOrder="2" Hole="F" HoleOrder="18" StartHole="1" Total="-8"
      Today="-3" TotalScore="276" Status="1" StatusName="Playing" CurrentRound="4" Organization="AUS" OrganizationName="Australia">
          <Round ID="1" CourseID="1" Hole="F" HoleOrder="18" Score="71" TotalScore="71" RoundRank="T22" RoundRankOrder="25" Rank="T22" RankOrder="25" RoundParRelative="E" ParRelative="E"/>
          <Round ID="2" CourseID="1" Hole="F" HoleOrder="18" Score="72" TotalScore="143" RoundRank="T43" RoundRankOrder="52" Rank="T25" RankOrder="31" RoundParRelative="+1" ParRelative="+1"/>
          <Round ID="3" CourseID="1" Hole="F" HoleOrder="18" Score="65" TotalScore="208" RoundRank="T1" RoundRankOrder="1" Rank="T3" RankOrder="3" RoundParRelative="-6" ParRelative="-5"/>
          <Round ID="301" CourseID="1" Hole="F" HoleOrder="18" Score="68" TotalScore="276" RoundRank="T7" RoundRankOrder="12" Rank="2" RankOrder="2" RoundParRelative="-3" ParRelative="-8"
          IsTeamPlayoff="false"/>
        </Player>
        …
      </Leaderboard>
    </Event>
  </Tournament>
</GolfDataFeed>
```
Note: the tab spacing in this document is used for readability purposes only.

Filename: leaderboard-###.xml where ### is a unique tournament ID.

Explanation of attributes for each element:

XML Declaration:

Attribute	Attribute Description
version	Specifies the version of the XML standard that the XML document conforms to is 1.0.
encoding	Specifies the XML document is encoded using the UTF-8 character set.

Element GolfDataFeed:

Attribute Name	Attribute Description
Type	Type of data feed. Always set to "Leaderboard" for Leaderboard data feed.
Timestamp	Local date and time that the message was generated per ISO 8601 specification. Format: YYYY-MM-DDThh:mm:ssTZ, where TZ = +00:00, +hh:mm, or -hh:mm
HostOrganization	The organization that hosts the tournament. The possible value is "LIV".

Element Tournament:

Attribute Name	Attribute Description
ID	The unique tournament ID.

Element Event:

Attribute Name	Attribute Description
ID	The unique id of the event.
Code	The code of the event provided by the Host Organization.

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Element Leaderboard:

Attribute Name	Attribute Description
CurrentRound	The current round of the event.
CutRound	The round that when completed will cut the player field.
CutLine	During the cut round, it is the value of the last player's RankOrder that will make the projected cut. After the cut round completes, it is the value of the last player's RankOrder that made the cut. All players that have a RankOrder value greater than the CutLine value do not make the cut. For USGA tournaments, the value will be empty due to the nature of the projected cut rule.
CutScore	During the cut round, it is the value of the score relative to par that players will make the cut. After the cut round completes, it is the value of the score relative to par of the last player's score relative to par that made the cut. All players that have a score relative to par greater than the CutScore value do not make the cut. The value is "E" for even par relative values.

Element Player:

Attribute Name	Attribute Description
ID	The unique id for the player used in the scoring system.
TourID	The unique id for the player provided by a Tour that host global player IDs. For example, MENA IDs provided by the MENA Tour. The value could be initially empty if the Tour has a delay generating this TourID. Once the TourID is provided by the Tour, this data feed will be resent with the new value. The same is applied when the Tour decides to change this TourID. The TourID could not be changed once the player has started first round.
TournamentID	The unique id for the player provided by the tournament. The value could be initially empty if the tournament has a delay generating the TournamentID. Once the TournamentID is provided by the tournament, this data feed will be resent with the new value. The same is applied when the tournament decides to change the TournamentID. This TournamentID could not be changed once the player has started first round.
FirstName	The player's first name.
LastName	The player's last name.
Country	The player's country code. For example, "USA".
IsAmateur	The player's amateur status. Values are "true" or "false".
Rank	The player's rank.
RankOrder	A unique number specifying the player's display order.
Hole	The last hole the player completed for the current round. It could be empty if the player does not play in the current round, i.e. CUT, WD. "F" when the round is complete.
HoleOrder	The last hole sequence number the player completed for the current round. It could be empty if the player does not play in the current round, i.e. CUT, WD. or if the player hasn't started yet.
StartHole	The start hole the player tees off for the current round. It could be empty if the player does not play in the current round, i.e. CUT, WD.
Total	The player's par relative value for the event. The value is "E" for even par relative values.
Today	The player's par relative value for the current round. It could be empty if the player does not play in the current round, i.e. CUT, WD. The value is "E" for even par relative values.
TotalScore	The player's total score for the event.
Status	A unique number identifying the current status of the player. Possible values are 0 (Unknown), 1 (Playing), 2 (Cut), 3 (Withdraw), 4 (Disqualify), 5 (Did Not Start), 6 (Withdraw with Credit), 7 (Disqualify with Credit), 8 (Made Cut Did Not Play)
StatusName	The name for the current status of the player. Possible values are "Unknown", "Playing", "Cut", "Withdraw", "Disqualify", "Did Not Start", "Withdraw with Credit", "Disqualify with Credit", "Made Cut Did Not Play"
CurrentRound	The player's current round of the event (could be different from the Leaderboard CurrentRound especially for players who are WD, CUT, DQ).
Organization	The player's organization ID. It contains country Tri-Code or University ID for NCAA.
OrganizationName	The player's organization name. For example, "USA" or "University of Florida"

Element Round:

Attribute Name	Attribute Description
ID	The round number. Playoff Rounds are numbered greater than 100.
CourseID	ID of the course where player is playing in this round.
Hole	The last hole the player completed in this round. "F" when the round is complete.
HoleOrder	The last hole sequence number the player completed in this round. It could be empty if the player does not play in the current round, i.e. CUT, WD. or if the player hasn't started yet.
Score	The player's score for the specific round (available once the player completes that round).
TotalScore	The player's total score for the event throughout this round.
RoundRank	Round position for the player for the specific round (available once the player completes that round).
RoundRankOrder	A unique number specifying the player's display order for the specific round (available once the player completes that round).
Rank	Overall postion for the player after the specific round is completed by the player.
RankOrder	A unique number specifying the player's display order after the specific round is completed by the player.
RoundParRelative	The player's score relative to par for that round (available once the player completes that round). The value is "E" for even par relative values.
ParRelative	The player's par relative score for the event throughout this round. The value is "E" for even par relative values.
IsTeamPlayoff	Boolean to indicate if playoff round is for Teams or Players. Applies only to round IDs greater than 100.

Tournament Stats Data Feed

The Tournament Stats data feed contains ordered lists of players and their stats for the current tournament. The current set of stats include: Average Drive Distance (DD), Fairway Hits (FH), GIR (GIR), Eagles, Birdies, Pars, SandSaves, Putting Average, Longest Drive, and <mark>Scrambling</mark>. This feed is sent when the appropriate stat table is calculated. This feed includes players who were cut, WD, DQ in previous rounds. The Tournament Stats XML looks similar to this:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<GolfDataFeed Type="TournamentStats" Timestamp="2012-09-12T18:15:30-05:00" HostOrganization="LIV">
    <Tournament ID="27">
      <Event ID="1" Code="3454359355">
        <StatsStandings>
          <Stat ID="GIR">
            <Player ID="28237" TourID="28237" TournamentID="73414" Rank="1" RankOrder="1" Value="53" Avg="13.25" Opp="72" Pct="73.61">
              <Round ID="1" Rank="1" RankOrder="1" Value="10" Avg="" Opp="18" Pct="55.56"/>
              <Round ID="2" Rank="1" RankOrder="1" Value="15" Avg="" Opp="18" Pct="83.33"/>
              <Round ID="3" Rank="1" RankOrder="1" Value="15" Avg="" Opp="18" Pct="83.33"/>
              <Round ID="4" Rank="1" RankOrder="1" Value="13" Avg="" Opp="18" Pct="72.22"/>
            </Player>
            <Player ID="28089" TourID="28089" TournamentID="100605" Rank="" RankOrder="" Value="" Avg="" Opp="" Pct="">
              <Round ID="1" Rank="1" RankOrder="1" Value="10" Avg="" Opp="18" Pct="55.56"/>
              <Round ID="2" Rank="1" RankOrder="1" Value="15" Avg="" Opp="18" Pct="83.33"/>
            </Player>
            …
          </Stat>
          <Stat ID="FH">
            <Player ID="28237" TourID="28237" TournamentID="73414" Rank="T1" RankOrder="1" Value="51" Avg="12.75" Opp="72" Pct="91.07">
              <Round ID="1" Rank="1" RankOrder="1" Value="10" Avg="" Opp="18" Pct="55.56"/>
              <Round ID="2" Rank="1" RankOrder="1" Value="15" Avg="" Opp="18" Pct="83.33"/>
              <Round ID="3" Rank="1" RankOrder="1" Value="14" Avg="" Opp="18" Pct="77.78"/>
              <Round ID="4" Rank="1" RankOrder="1" Value="13" Avg="" Opp="18" Pct="72.22"/>
            </Player>
            <Player ID="28089" TourID="28089" TournamentID="100605" Rank="" RankOrder="" Value="" Avg="" Opp="" Pct="">
              <Round ID="1" Rank="1" RankOrder="1" Value="10" Avg="" Opp="18" Pct="55.56"/>
              <Round ID="2" Rank="1" RankOrder="1" Value="15" Avg="" Opp="18" Pct="83.33"/>
            </Player>
            …
          </Stat>
          <Stat ID="DD">
            <Player ID="28237" TourID="28237" TournamentID="73414" Rank="1" RankOrder="1" Value="2515" Avg="314.4" Opp="8" Pct="">
              <Round ID="1" Rank="1" RankOrder="1" Value="579.8" Avg="289.9" Opp="2" Pct=""/>
              <Round ID="2" Rank="1" RankOrder="1" Value="579.8" Avg="289.9" Opp="2" Pct=""/>
              <Round ID="3" Rank="1" RankOrder="1" Value="579.8" Avg="289.9" Opp="2" Pct=""/>
              <Round ID="4" Rank="1" RankOrder="1" Value="579.8" Avg="289.9" Opp="2" Pct=""/>
            </Player>
            <Player ID="28089" TourID="28089" TournamentID="100605" Rank="" RankOrder="" Value="" Avg="" Opp="" Pct="">
              <Round ID="1" Rank="1" RankOrder="1" Value="579.8" Avg="289.9" Opp="2" Pct=""/>
              <Round ID="2" Rank="1" RankOrder="1" Value="579.8" Avg="289.9" Opp="2" Pct=""/>
            </Player>
            …
          </Stat>
          <Stat ID="Putts">
            <Player ID="28237" TourID="28237" TournamentID="73414" Rank="1" RankOrder="1" Value="2515" Avg="314.38" Opp="8" Pct="">
              <Round ID="1" Rank="1" RankOrder="1" Value="22" Avg="" Opp="" Pct=""/>
              <Round ID="2" Rank="1" RankOrder="1" Value="28" Avg="" Opp="" Pct=""/>
              <Round ID="3" Rank="1" RankOrder="1" Value="32" Avg="" Opp="" Pct=""/>
              <Round ID="4" Rank="1" RankOrder="1" Value="27" Avg="" Opp="" Pct=""/>
            </Player>
            <Player ID="28089" TourID="28089" TournamentID="100605" Rank="" RankOrder="" Value="" Avg="" Opp="" Pct="">
              <Round ID="1" Rank="1" RankOrder="1" Value="22" Avg="" Opp="" Pct=""/>
              <Round ID="2" Rank="1" RankOrder="1" Value="28" Avg="" Opp="" Pct=""/>
            Player>
            …
          </Stat>
          <Stat ID="SS">
            <Player ID="28237" TourID="28237" TournamentID="73414" Rank="1" RankOrder="1" Value="53" Avg="13.25" Opp="72" Pct="73.61">
              <Round ID="1" Rank="1" RankOrder="1" Value="10" Avg="" Opp="18" Pct="55.56"/>
              <Round ID="2" Rank="1" RankOrder="1" Value="15" Avg="" Opp="18" Pct="83.33"/>
              <Round ID="3" Rank="1" RankOrder="1" Value="15" Avg="" Opp="18" Pct="83.33"/>
              <Round ID="4" Rank="1" RankOrder="1" Value="13" Avg="" Opp="18" Pct="72.22"/>
            </Player>
            <Player ID="28089" TourID="28089" TournamentID="100605" Rank="" RankOrder="" Value="" Avg="" Opp="" Pct="">
              <Round ID="1" Rank="1" RankOrder="1" Value="10" Avg="" Opp="18" Pct="55.56"/>
              <Round ID="2" Rank="1" RankOrder="1" Value="15" Avg="" Opp="18" Pct="83.33"/>
```

```
      </Player>
      …
    </Stat>
    <Stat ID="Birdies">
      <Player ID="28237" TourID="28237" TournamentID="73414" Rank="1" RankOrder="1" Value="8" Avg="2.0" Opp="72" Pct="11.11">
        <Round ID="1" Rank="1" RankOrder="1" Value="2" Avg="" Opp="18" Pct="11.11"/>
        <Round ID="2" Rank="1" RankOrder="1" Value="0" Avg="" Opp="18" Pct="0.00"/>
        <Round ID="3" Rank="1" RankOrder="1" Value="1" Avg="" Opp="18" Pct="5.56"/>
        <Round ID="4" Rank="1" RankOrder="1" Value="5" Avg="" Opp="18" Pct="27.78"/>
      </Player>

      <Player ID="28089" TourID="28089" TournamentID="100605" Rank="" RankOrder="" Value="" Avg="" Opp="" Pct="">
        <Round ID="1" Rank="1" RankOrder="1" Value="2" Avg="" Opp="18" Pct="11.11"/>
        <Round ID="2" Rank="1" RankOrder="1" Value="0" Avg="" Opp="18" Pct="0.00"/>
      </Player>
      …
    </Stat>
    <Stat ID="Eagles">
      <Player ID="28237" TourID="28237" TournamentID="73414" Rank="1" RankOrder="1" Value="8" Avg="2.0" Opp="72" Pct="11.11">
        <Round ID="1" Rank="1" RankOrder="1" Value="2" Avg="" Opp="18" Pct="11.11"/>
        <Round ID="2" Rank="1" RankOrder="1" Value="0" Avg="" Opp="18" Pct="0.00"/>
        <Round ID="3" Rank="1" RankOrder="1" Value="1" Avg="" Opp="18" Pct="5.56"/>
        <Round ID="4" Rank="1" RankOrder="1" Value="5" Avg="" Opp="18" Pct="27.78"/>
      </Player>

      <Player ID="28089" TourID="28089" TournamentID="100605" Rank="" RankOrder="" Value="" Avg="" Opp="" Pct="">
        <Round ID="1" Rank="1" RankOrder="1" Value="2" Avg="" Opp="18" Pct="11.11"/>
        <Round ID="2" Rank="1" RankOrder="1" Value="0" Avg="" Opp="18" Pct="0.00"/>
      </Player>
      …
    </Stat>

    </StatStandings>
  </Event>
  </Tournament>
</GolfDataFeed>
```
Note: the tab spacing in this document is used for readability purposes only.

Filename: TournamentStats-###.xml where ### is a unique tournament ID

Explanation of attributes for each element:

XML Declaration:

Attribute	Attribute Description
version	Specifies the version of the XML standard that the XML document conforms to is 1.0.
encoding	Specifies the XML document is encoded using the UTF-8 character set.

Element GolfDataFeed:

Attribute Name	Attribute Description
Type	Type of data feed. Always set to "TournamentStats" for Tournament Stats data feed.
Timestamp	Local date and time that the message was generated per ISO 8601 specification. Format: YYYY-MM-DDThh:mm:ssTZ, where TZ = +00:00, +hh:mm, or -hh:mm
HostOrganization	The organization that hosts the tournament. The possible value is "LIV".

Element Tournament:

Attribute Name	Attribute Description
ID	Tournament ID

Element Event:

Attribute Name	Attribute Description
ID	Event ID
Code	The code of the event provided by the Host Organization.

Element StatStandings/Stat:

Attribute Name	Attribute Description
ID	The unique id for the stat list. The possible values are: 1. "GIR" – Greens in Regulation – Ranks calculated by Average % 2. "FH" – Fairway Hits – Ranks calculated by Average % 3. "DD" – Drive Distance – Ranks calculated by Average % 4. "Putts" – Ranks calculated by Value 5. "PA" – Putting Average – Ranks calculated by Average % 6. "SS" – Sand Saves – Ranks calculated by Average % 7. "Birdies" – Ranks calculated by Value 8. "Eagles" – Ranks calculated by Value 9. "Pars" – Ranks calculated by Value 10. "LD" – Longest Drive – Ranks calculated by Value 11. "Scrambling" –Ranks calculated by Average %

Element Player:

Attribute Name	Attribute Description
ID	The unique id for the player used in the scoring system.
TourID	The unique id for the player provided by a Tour that host global player IDs. For example, MENA IDs provided by the MENA Tour. The value could be initially empty if the Tour has a delay generating this TourID. Once the TourID is provided by the Tour, this data feed will be resent with the new value. The same is applied when the Tour decides to change this TourID. The TourID could not be changed once the player has started first round.
TournamentID	The unique id for the player provided by the tournament. The value could be initially empty if the tournament has a delay generating the TournamentID. Once the TournamentID is provided by the tournament, this data feed will be resent with the new value. The same is applied when the tournament decides to change the TournamentID. This TournamentID could not be changed once the player has started first round.
Rank	The player's rank *Empty if player is Cut, WD, DQ*
RankOrder	A unique number specifying the player's display order. (Empty if player is Cut)
Value	The total value of the all stats stat. Attribute format is N (##0.0) for DD and LD, N (##0) for all other stats. *Empty if player is Cut, WD, DQ*
Opp	The total opportunities that a player had for a particular stat. Attribute format is N (##0). *Not valid for LD stat.* *Empty if player is Cut, WD, DQ*
Avg	The average value that calculated by dividing value by opportunities. Attribute format is N (##0.0) for DD, N (##0.00) for all other stats. (Empty if player is Cut) *Not valid for LD stat.* *Empty if player is Cut, WD, DQ*
Pct	The percent value based on total value and opportunities. Attribute format is N (##0.00). (Empty if player is Cut) *Not valid for DD, LD and Putts stats.* *Empty if player is Cut, WD, DQ*

Element Round:

Attribute Name	Attribute Description
ID	Round ID
Rank	The player's rank
RankOrder	A unique number specifying the player's display order.
Value	The total value of the all stats stat. Attribute format is N (##0.0) for DD and LD, N (##0) for all other stats.
Opp	The total opportunities that a player had for a particular stat. Attribute format is N (##0). *Not valid for Putts and LD stats.*
Avg	The average value that calculated by dividing value by opportunities. Attribute format is N (##0.0). *Only valid for DD and PA stats. All other categories will be empty string.*
Pct	The percent value based on total value and opportunities. Attribute format is N (##0.00). *Only valid for GIR, SS, and FH stats. All other categories will be empty string.*

Courses Holes Stats Data Feed

The Courses Holes Stats data feed contains holes' statistics data in total for the whole tournament and for each round separately divided by courses. This feed is sent when the appropriate statistics are updated in the scoring system. The Courses Holes Stats XML looks similar to this:

```
<?xml version="1.0" encoding="UTF-8"?>
<GolfDataFeed Type="CourseHolesStatsSummary" Timestamp="2010-06-20T06:18:26-05:00" HostOrganization="LIV">
    <Tournament ID="1" EventID="1" EventCode="3454359355">
        <HolesStats>
            <Courses>
                <Course ID="1" Name="Pebble Beach Golf Links" Par="72" FrontPar="36/37" BackPar="36/35" Yardage="5304">
                    <Hole ID="1" Par="4/5" Yardage="380" MinScore="-2" MaxScore="3" AvgScore="4.102" Rank="15" RankOrder="15" Miracles="0" Eagles="1" Birdies="2" Pars="20" Bogeys="2"
                DoubleBogeys="1" Disasters="0">
                        <Stats>
                    <Stat ID="GIR" Value="137" Avg="34.25" Opp="180" Pct="76.11"/>
                    <Stat ID="FH" Value="114" Avg="28.50" Opp="156" Pct="87.00"/>
                            <Stat ID="SS" Value="1" Avg="0.25" Opp="6" Pct="16.67"/>
                    <Stat ID="DD" Value="242.6" Avg="" Opp="" Pct=""/>
                    <Stat ID="PA" Value="582" Avg="1.756" Opp="" Pct=""/>
                    <Stat ID="LD" Value="310.5" Avg="" Opp="" Pct=""/>
                        </Stats>
                </Hole>
                ...
            </Course>
            ...
         </Courses>
         <RoundHoleStats>
            <Round ID="1">
                <Courses>
                    <Course ID="1" Name="Pebble Beach Golf Links" Par="72" FrontPar="37" BackPar="35" Yardage="5304">
                        <Hole ID="1" Par="5" Yardage="480" MinScore="-1" MaxScore="2" AvgScore="4.567" Rank="15" RankOrder="15" Miracles="0" Eagles="1" Birdies="2" Pars="20" Bogeys="2"
                    DoubleBogeys="1" Disasters="0">
                            <Stats>
                                <Stat ID="GIR" Value="56" Avg="" Opp="70" Pct="80.00"/>
                    <Stat ID="FH" Value="40" Avg="" Opp="50" Pct="80.00"/>
                                <Stat ID="SS" Value="0" Avg="" Opp="3" Pct="0.00"/>
                    <Stat ID="DD" Value="251.8" Avg="" Opp="" Pct=""/>
                    <Stat ID="PA" Value="151" Avg="1.980" Opp="" Pct=""/>
                    <Stat ID="LD" Value="306.0" Avg="" Opp="" Pct=""/>
                            </Stats>
                    </Hole>
                    ...
                    </Course>
                    ...
                </Courses>
            </Round>
            ...
        </RoundHoleStats>
        </HolesStats>
    </Tournament>
</GolfDataFeed>
```
Note: the tab spacing in this document is used for readability purposes only.

Filename: CoursesHolesStats-###-$$$.xml where ### is the Tournament's ID and $$$ is the Event's ID.

Explanation of attributes for each element:

XML Declaration:

Attribute	Attribute Description
version	Specifies the version of the XML standard that the XML document conforms to is 1.0.
encoding	Specifies the XML document is encoded using the UTF-8 character set.

Element GolfDataFeed:

Attribute Name	Attribute Description
Type	Type of data feed. Always set to "PlayerSummary" for Player Summary data feed.
Timestamp	Local date and time that the message was generated per ISO 8601 specification. Format: YYYY-MM-DDThh:mm:ssTZ, where TZ = +00:00, +hh:mm, or -hh:mm
HostOrganization	The organization that hosts the tournament. The possible value is "LIV".

Element Tournament:

Attribute Name	Attribute Description
ID	The unique tournament ID provided by the tournament.
EventID	A unique number identifying the event.
EventCode	The code of the event provided by the Host Organization.

Element Tournament/HolesStats/Courses/Course:

Attribute Name	Attribute Description
ID	A unique number identifying the course.
Name	The name of the course.
Par	The display par value for entire base course.
FrontPar	The display par value for the front nine holes (1-9) of the base course.
BackPar	The display par value for the back nine holes (10-18) of the base course.
Yardage	The total yardage for the base course.

Element Tournament/HolesStats/RoundHoleStats/Round/Courses/Course:

Attribute Name	Attribute Description
ID	A unique number identifying the course.
Name	The name of the course.
Par	The par value for entire round course.
FrontPar	The par value for the front nine holes (1-9) of the round course.
BackPar	The par value for the back nine holes (10-18) of the round course.
Yardage	The total yardage for the round course.

Element Courses/Course/Hole:

Attribute Name	Attribute Description
ID	The hole ID. Possible values are: Holes 1 thru 18, "Total" – total values for the tournament, "In" – total values for back 9 holes, "Out" – total values for the front 9 holes, "Par3" – total values for all par 3 holes, "Par4" – total values for all par 4 holes, "Par5" – total values for all par 5 holes
Par	The base par value for the hole, could be displayed as "4/5".
Yardage	Yardage value of the hole.
MinScore	Minimum par relative score for the hole.
MaxScore	Maximum par relative score for the hole.
AvgScore	Average score for the hole. If Hole Par values change during the tournament, average par relative score is used instead. Attribute format always N (#0.000).
Rank	The hole's rank.
RankOrder	A unique number specifying the hole's display order.
Miracles	Number of Hole Scores better than Eagle
Eagles	Number of Eagles
Birdies	Number of Birdies
Pars	Number of Pars
Bogeys	Number of Bogeys
DoubleBogeys	Number of Double Bogeys
Disasters	Number of Hole Scores worse than Double Bogeys

Element Round/Courses/Course/Hole:

Attribute Name	Attribute Description
ID	The hole ID. Possible values are: Holes 1 thru 18, "Total" – total values for the tournament, "In" – total values for back 9 holes, "Out" – total values for the front 9 holes, "Par3" – total values for all par 3 holes, "Par4" – total values for all par 4 holes, "Par5" – total values for all par 5 holes
Par	Par value of the hole.
Yardage	Yardage value of the hole.
MinScore	Minimum par relative score for the hole.
MaxScore	Maximum par relative score for the hole.
AvgScore	Average score for the hole. If Hole Par values change during the tournament, average par relative score is used instead. Attribute format always N (#0.000).
Rank	The hole's rank.
RankOrder	A unique number specifying the hole's display order.
Miracles	Number of Hole Scores better than Eagle
Eagles	Number of Eagles
Birdies	Number of Birdies
Pars	Number of Pars
Bogeys	Number of Bogeys
DoubleBogeys	Number of Double Bogeys
Disasters	Number of Hole Scores worse than Double Bogeys

Element Courses/Course/Hole/Stats/Stats:

Attribute Name	Attribute Description
ID	The unique ID for the stat list. The possible values are: "LD" – Longest Drive "DD" – Drive Distance "GIR" – Greens in Regulation "FH" – Fairway Hits "SS" – Sand Saves "SA – Scoring Par Relative Average - Only written if Hole/@ID="Total". "PA" – Putting Average
Value	The total value of a stat.
Avg	The average value that calculated by dividing value by opportunities.
Opp	The total opportunities that a player had for a particular stat. Only valid for "FH", "SS", and "GIR". The attribute will be written as empty string "" for all other stats. Attribute format always N (##0).
Pct	The percent value based on total value and opportunities. Only valid for "FH", "SS", and "GIR". The attribute will be written as empty string "" for all other stats. Attribute format always N (#0.00).

Value sub-table:

ID	Availability (If no valid data exists, empty string "" is written to the data feed).	Attribute Format
LD	Updated after official drive distance holes. Always "" for all other holes.	N (##0.0) or ""
DD	Updated after official drive distance holes. Always "" for all other holes.	N (##0.0) or ""
GIR	Updated after any player completes a round. Only includes data from completed rounds.	N (##0) or ""
FH	Updated after any player completes a round. Only includes data from completed rounds.	N (##0) or ""
SS	Updated after any player completes a round. Only includes data from completed rounds.	N (##0) or ""
SA	Always empty string ""	""
PA	Updated after any player completes a round. Only includes data from completed rounds.	N (##0) or ""

Avg sub-table:

ID	Availability (If no valid data exists, empty string "" is written to the data feed).	Attribute Format
LD	Always empty string ""	""
DD	Updated after official drive distance holes. Always "" for all other holes.	N (##0.0) or ""
GIR	Updated after each played hole.	N (##0.00) or ""
FH	Updated after each played hole.	N (##0.00) or ""
SS	Updated after each played hole.	N (##0.00) or ""
SA	Updated after each completed round. Only includes data from completed rounds.	N (##0.000) or ""
PA	Updated after each played hole.	N (#0.000) or ""

Element /Round/Courses/Course/Hole/Stats/Stat:

Attribute Name	Attribute Description
ID	The unique ID for the stat list. The possible values are: "LD" – Longest Drive "DD" – Drive Distance "GIR" – Greens in Regulation "FH" – Fairway Hits "SS" – Sand Saves "SA – Scoring Par Relative Average - Only written if Hole/@ID="Total". "PA" – Putting Average
Value	The total value of a stat. | ID	Availability (If no valid data exists, empty string "" is written to the data feed).	Attribute Format
---	---	---
LD	Updated after official drive distance holes. Always "" for all other holes.	N (##0.0) or ""
DD	Updated after official drive distance holes. Always "" for all other holes.	N (##0.0) or ""
GIR	Updated after any player completes a round. Only includes data from completed rounds.	N (##0) or ""
FH	Updated after any player completes a round. Only includes data from completed rounds.	N (##0) or ""
SS	Updated after any player completes a round. Only includes data from completed rounds.	N (##0) or ""
SA	Always empty string ""	""
PA	Updated after each completed round. Only includes data from completed rounds.	N (##0) or ""	
Avg	The average value that calculated by dividing value by opportunities. | ID	Availability (If no valid data exists, empty string "" is written to the data feed).	Attribute Format
---	---	---
LD	Always empty string ""	""
DD	Updated after official drive distance holes. Always "" for all other holes.	N (##0.0) or ""
GIR	Always empty string ""	""
FH	Always empty string ""	""
SS	Always empty string ""	""
SA	Updated after any player completes a round. Only includes data from completed rounds.	N (##0.00) or ""
PA	Updated after each played hole.	N (#0.000) or ""	
Opp	The total opportunities that a player had for a particular stat. Only valid for "FH", "SS", and "GIR". The attribute will be written as empty string "" for all other stats. Attribute format always N (##0).
Pct	The percent value based on total value and opportunities. Only valid for "FH", "SS", and "GIR". The attribute will be written as empty string "" for all other stats. Attribute format always N (#0.00).

GPS Group Tracking Data Feed [2]

The GPS Group Tracking Data Feed contains the current group GPS locations during the tournament.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<GolfDataFeed Type="GPSGroupTracking" Timestamp="2019-12-05T16:52:53-05:00" HostOrganization="LIV">
  <Tournament ID="1">
    <Event ID="1" Code="001">
      <Round ID="1">
        <Group ID="1" Long="-121.940839" Lat="36.566166" CurrentHole="4" CourseID="1"/>
        <Group ID="3" Long="-121.941205" Lat="36.569179" CurrentHole="3" CourseID="1"/>
        <Group ID="5" Long="-121.941205" Lat="36.569179" CurrentHole="3" CourseID="1"/>
        <Group ID="7" Long="-121.943070" Lat="36.569643" CurrentHole="2" CourseID="1"/>
        <Group ID="9" Long="-121.946118" Lat="36.570601" CurrentHole="1" CourseID="1"/>
        <Group ID="11" Long="-121.949258" Lat="36.569578" CurrentHole="1" CourseID="1"/>
        <Group ID="13" Long="-121.949544" Lat="36.569374" CurrentHole="1" CourseID="1"/>
        <Group ID="15" Long="-121.949544" Lat="36.569374" CurrentHole="1" CourseID="1"/>
        <Group ID="17" Long="" Lat="" CurrentHole="ns" CourseID="1"/>
        <Group ID="19" Long="" Lat="" CurrentHole="ns" CourseID="1"/>
        <Group ID="21" Long="" Lat="" CurrentHole="ns" CourseID="1"/>
        <Group ID="2" Long="-121.935259" Lat="36.563050" CurrentHole="14" CourseID="1"/>
        <Group ID="4" Long="-121.933520" Lat="36.562379" CurrentHole="13" CourseID="1"/>
        <Group ID="6" Long="-121.931069" Lat="36.561492" CurrentHole="12" CourseID="1"/>
        <Group ID="8" Long="-121.929486" Lat="36.560763" CurrentHole="11" CourseID="1"/>
        <Group ID="10" Long="-121.931453" Lat="36.557963" CurrentHole="10" CourseID="1"/>
        <Group ID="12" Long="-121.932982" Lat="36.561338" CurrentHole="10" CourseID="1"/>
        <Group ID="14" Long="-121.933384" Lat="36.561654" CurrentHole="10" CourseID="1"/>
        <Group ID="16" Long="" Lat="" CurrentHole="ns" CourseID="1"/>
        <Group ID="18" Long="" Lat="" CurrentHole="ns" CourseID="1"/>
        <Group ID="20" Long="" Lat="" CurrentHole="ns" CourseID="1"/>
        <Group ID="22" Long="" Lat="" CurrentHole="ns" CourseID="1"/>
      </Round>
    </Event>
  </Tournament>
</GolfDataFeed>
```

Filename: gpstracking-#.xml where # is the selected round ID.

Explanation of attributes for each element:

XML Declaration:

Attribute	Attribute Description
version	Specifies the version of the XML standard that the XML document conforms to is 1.0.
encoding	Specifies the XML document is encoded using the UTF-8 character set.

Element GolfDataFeed:

Attribute Name	Attribute Description
HostOrganization	The organization that hosts the tournament. The possible value is "LIV".
Type	Type of Data Feed. Always set to "GPSGroupTracking" for GPS Group Tracking data feed
Timestamp	Local date and time that the message was generated per ISO 8601 specification. Format: YYYY-MM-DDThh:mm:ssTZ, where TZ = +00:00, +hh:mm, or -hh:mm

Element Tournament:

Attribute Name	Attribute Description
ID	The unique tournament ID provided by the tournament.

---

[2] Data is not available for the Masters.

Element Event:

Attribute Name	Attribute Description
ID	The unique tournament ID provided by the tournament.
Code	The code of the event provided by the Host Organization.

Element Round:

Attribute Name	Attribute Description
ID	The round number. Round nodes only exist for rounds in which this player has a valid tee time. For a playoff round, the ID is a 3-digit number comprised of the last round of the tournament plus the digits "01". For example, if a 4-round tourment has a playoff round, the playoff round ID would be "401"; if a 3-round tournament has a playoff round, the playoff round ID would be "301".
Name	The round Description as a day of the week. Valid values are Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday.

Element Group:

Attribute Name	Attribute Description
ID	The id of the group within the round.
Long	GPS Longitude (ex.: -74.044636) If coordinate unavailable or finished value is "".
Lat	GPS Latitude (ex.: +40.689060) If coordinate unavailable or finished value is "".
CurrentHole	The current hole number for the group. If group is finished value is "f", if group hasn't started value is "ns".
CourseID	ID of the Course this group is playing on

LIV Team Leaderboard Data Feed

The LIV Team Leaderboard data feed contains the ordered list of teams (and their scores) for the current round in the tournament. The LIV Team Leaderboard XML looks similar to this:

```
<?xml version="1.0" encoding="UTF-8"?>
<GolfDataFeed Type="LIVTeamLeaderboard" Timestamp="2022-10-27T10:12:00-04:00" HostOrganization="LIV">
   <Tournament ID="7">
      <Event ID="1" EventCode="">
         <Leaderboard CurrentRound="3">
            <Team ID="9" RankOrder="1" Rank="1" Today="-3" Total="-33" TodayScore="207" TotalScore="597" Name="SMASH GC" Organization="SMA" OrganizationName="SMASH GC" Status="1" StatusName="Playing">
               <Round ID="1" Score="195" TotalScore="195" RoundRank="" RoundRankOrder="" Rank="1" RankOrder="1" ToPar="-15" TotalToPar="-15">
                  <Player ID="52" CourseID="1" StartHole="15" ContributingToTeamScore="true" Hole="14" HoleOrder="18" Score="62" OutScore="30" InScore="32" ScorecardStatus="2" ScorecardStatusName="Finished" ToPar="-8" TourID="3454" TournamentID="" FirstName="Brooks" LastName="Koepka"/>
                  <Player ID="38" CourseID="1" StartHole="3" ContributingToTeamScore="true" Hole="2" HoleOrder="18" Score="65" OutScore="32" InScore="33" ScorecardStatus="2" ScorecardStatusName="Finished" ToPar="-5" TourID="3496" TournamentID="" FirstName="Peter" LastName="Uihlein"/>
                  <Player ID="19" CourseID="1" StartHole="14" ContributingToTeamScore="true" Hole="13" HoleOrder="18" Score="68" OutScore="34" InScore="34" ScorecardStatus="2" ScorecardStatusName="Finished" ToPar="-2" TourID="3498" TournamentID="" FirstName="Chase" LastName="Koepka"/>
                  <Player ID="60" CourseID="1" StartHole="14" ContributingToTeamScore="false" Hole="13" HoleOrder="18" Score="70" OutScore="34" InScore="36" ScorecardStatus="2" ScorecardStatusName="Finished" ToPar="E" TourID="3471" TournamentID="" FirstName="Jason" LastName="Kokrak"/>
               </Round>
               <Round ID="2" Score="195" TotalScore="390" RoundRank="" RoundRankOrder="" Rank="1" RankOrder="1" ToPar="-15" TotalToPar="-30">
                  <Player ID="38" CourseID="1" StartHole="2" ContributingToTeamScore="true" Hole="1" HoleOrder="18" Score="63" OutScore="30" InScore="33" ScorecardStatus="2" ScorecardStatusName="Finished" ToPar="-7" TourID="3496" TournamentID="" FirstName="Peter" LastName="Uihlein"/>
                  <Player ID="60" CourseID="1" StartHole="11" ContributingToTeamScore="true" Hole="10" HoleOrder="18" Score="65" OutScore="34" InScore="31" ScorecardStatus="2" ScorecardStatusName="Finished" ToPar="-5" TournamentID="3471" TournamentID="" FirstName="Jason" LastName="Kokrak"/>
                  <Player ID="19" CourseID="1" StartHole="6" ContributingToTeamScore="true" Hole="5" HoleOrder="18" Score="67" OutScore="33" InScore="34" ScorecardStatus="2" ScorecardStatusName="Finished" ToPar="-3" TourID="3498" TournamentID="" FirstName="Chase" LastName="Koepka"/>
                  <Player ID="52" CourseID="1" StartHole="1" ContributingToTeamScore="false" Hole="18" HoleOrder="18" Score="67" OutScore="33" InScore="34" ScorecardStatus="2" ScorecardStatusName="Finished" ToPar="-3" TourID="3454" TournamentID="" FirstName="Brooks" LastName="Koepka"/>
               </Round>
               ...
            </Team>
         </Leaderboard>
      </Event>
   </Tournament>
</GolfDataFeed>
```
Note: the tab spacing in this document is used for readability purposes only.

Filename LIV: LIVTeamLeaderboard-###.xml where ### is a unique tournament ID.

Explanation of attributes for each element:

XML Declaration:

Attribute	Attribute Description
version	Specifies the version of the XML standard that the XML document conforms to is 1.0.
encoding	Specifies the XML document is encoded using the UTF-8 character set.

Element GolfDataFeed:

Attribute Name	Attribute Description
Type	Type of data feed. Possible values: LIV Tournament: "LIVTeamLeaderboard"
Timestamp	Local date and time that the message was generated per ISO 8601 specification. Format: YYYY-MM-DDThh:mm:ssTZ, where TZ = +00:00, +hh:mm, or -hh:mm
HostOrganization	The organization that hosts the tournament. The possible values are "LIV".

Element Tournament:

Attribute Name	Attribute Description
ID	The unique tournament ID.

Element Event:

Attribute Name	Attribute Description
ID	The unique id of the event.
Code	The code of the event provided by the Host Organization (Optional)

Element Leaderboard:

Attribute Name	Attribute Description
CurrentRound	The current round of the event.

Element Team:

Attribute Name	Attribute Description
ID	The unique id for the team.
Name	The team's name.
Rank	The team's rank.
RankOrder	A unique number specifying the team's display order.
Total	The team's par relative value for the event.
Today	The team's par relative value for the current round.
TotalScore	The team's total score for the event.
TodayScore	The team's score for the current round.
CurrentRound	The team's current round of the event (could be different from the Leaderboard CurrentRound).
Status	A unique number identifying the current status of the team. Possible values are 0 (Unknown), 1 (Playing), 2 (Cut), 3 (Withdraw), 4 (Disqualify), 5 (Did Not Start), 6 (Withdraw with Credit), 7 (Disqualify with Credit), 8 (Made Cut Did Not Play)
StatusName	The name for the current status of the team. Possible values are "Unknown", "Playing", "Cut", "Withdraw", "Disqualify", "Did Not Start", "Withdraw with Credit", "Disqualify with Credit", "Made Cut Did Not Play"
Organization	The team's organization ID. It contains team's Tri-Code.
OrganizationName	The team's organization name. For example, "SMASH GC"

Element Round:

Attribute Name	Attribute Description
ID	Round ID
Score	Team's round score
ToPar	Team's round par relative value
Rank	Team's total rank in this round
RankOrder	Team's total rank order in this round
RoundRank	Team's round rank
RoundRankOrder	Team's round rank order
TotalToPar	Team's total par relative value in this round
TotalScore	Team's total score in this round

Element Player:

Attribute Name	Attribute Description
ID	Player ID
CourseID	Course ID playing is playing in this round
StartHole	Start Hole number
ContributingToTeamScore	Bolean value "true" or "false" to indicate if player's score counts toward team score
Hole	Current physical hole number player is on
HoleOrder	Current hole logical order player is on
Score	Player's round score
OutScore	Player's out score
InScore	Player's in score
ScorecardStatus	The player's scorecard status for that round. Possible values are 0 (Not Started), 1 (Started), 2 (Finished), 3 (Official).
ScorecardStatusName	The player's scorecard status name for that round. Possible values are "Not Started", "Started", "Finished", "Official".
ToPar	Player's round par relative value
TourID	Player's tour ID, ex. MENA's player id
TournamentID	Player's internal tournament ID, could be an empty value
FirstName	Player's first name
LastName	Player's last name

Ball Position Config Data Feed

The Ball Position Config data feed contains information regarding the coordinate projection. This feed is sent prior to the start of the tournament. The Ball Position Config XML looks similar to this:

```
<?xml version="1.0" encoding="UTF-8"?>
<GolfDataFeed Type="BallPositionConfig" Timestamp="2012-09-12T18:15:30-05:00" HostOrganization="LIV">
    <Tournament ID="1" Name="110th U.S. Open Championship">
        <CoordinateConfig Units="US FEET" Datum="NAD83 (PA11)" Projection="SPCS" ProjectionZone="FIPS 901"/>
    </Tournament>
</GolfDataFeed>
```

Note: the tab spacing in this document is used for readability purposes only.

Filename:
BallPositionConfig-###.xml where ### is a unique tournament ID.

Explanation of attributes for each element:

XML Declaration:

Attribute	Attribute Description
version	Specifies the version of the XML standard that the XML document conforms to is 1.0.
encoding	Specifies the XML document is encoded using the UTF-8 character set.

Element GolfDataFeed:

Attribute Name	Attribute Description
Type	Type of data feed. Always set to "BallPositionConfig" for Ball Position Config data feed.
Timestamp	Local date and time that the message was generated per ISO 8601 specification. Format: YYYY-MM-DDThh:mm:ssTZ, where TZ = +00:00, +hh:mm, or -hh:mm
HostOrganization	The organization that hosts the tournament. The possible value is "LIV".

Element Tournament:

Attribute Name	Attribute Description
ID	The unique tournament ID.
Name	The name of the tournament.

Element CoordinateConfig:

Attribute Name	Attribute Description
Datum	Coordinate system's projection Datum.
Projection	Coordinate system's projection. SPCS = State Plane Coordinate System. SPCS will be the projection used for all US based golf courses.
ProjectionZone	Zone within the projection.
Units	Coordinate system's unit of measurement. Always set to "US FEET".

Next Stroke Data Feed

The Next Stroke data feed contains a next stroke information for a given player in a group. This feed is sent when a player is getting ready to make a shot. The Next Stroke XML looks similar to this:

```
<?xml version="1.0" encoding="UTF-8"?>
<GolfDataFeed Type="NextStroke" Timestamp="2012-09-12T18:15:30-05:00" HostOrganization="LIV">
    <Tournament ID="1">
        <Event ID="1" CurrentRound="1">
            < Round ID="1" CourseID="1">
                <Group ID="1">
                    <Player ID="25572" TourID="33413" TournamentID="131390" LastName="McDowell" FirstName="Graeme" Hole="11" HoleOrder="2">
                        <Hole ID="11" Order="2" NextStrokeNum="3" NextStrokeFrom="Green" NextStrokeFromID="10" NextStrokeCl="10"/>
                    </Player>
                </Group>
            </Round>
        </Event>
    </Tournament>
</GolfDataFeed>
```
Note: the tab spacing in this document is used for readability purposes only.

Filename:
NextStroke-R#-G#.xml where R# is the round number and G# is a group ID. Characters 'R' and 'G' are included in the filename.

Explanation of attributes for each element:

XML Declaration:

Attribute	Attribute Description
version	Specifies the version of the XML standard that the XML document conforms to is 1.0.
encoding	Specifies the XML document is encoded using the UTF-8 character set.

Element GolfDataFeed:

Attribute Name	Attribute Description
Type	Type of data feed. Always set to "BallPosition" for Ball Position data feed.
Timestamp	Local date and time that the message was generated per ISO 8601 specification. Format: YYYY-MM-DDThh:mm:ssTZ, where TZ = +00:00, +hh:mm, or -hh:mm
HostOrganization	The organization that hosts the tournament. The possible values is "LIV".

Element Tournament:

Attribute Name	Attribute Description
ID	Tournament ID

Element Event:

Attribute Name	Attribute Description
ID	Event ID

Element Round:

Attribute Name	Attribute Description
ID	The round number. For a playoff round, the ID is a 3-digit number comprised of the last round of the tournament plus the digits "01". For example, if a 4-round tournament has a playoff round, the playoff round ID would be "401"; if a 3-round tournament has a playoff round, the playoff round ID would be "301".
CourseID	The course ID where this player is playing in this round.

Element Group:

Attribute Name	Attribute Description
ID	The unique id for the group.

Element Player:

Attribute Name	Attribute Description
ID	The unique id for the player.
TourID	The unique id for the player provided by a Tour that host global player IDs. For example, MENA IDs provided by the MENA Tour. The value could be initially empty if the Tour has a delay generating this TourID. Once the TourID is provided by the Tour, this data feed will be resent with the new value. The same is applied when the Tour decides to change this TourID. The TourID could not be changed once the player has started first round.
TournamentID	The unique id for the player provided by the tournament. The value could be initially empty if the tournament has a delay generating the TournamentID. Once the TournamentID is provided by the tournament, this data feed will be resent with the new value. The same is applied when the tournament decides to change the TournamentID. This TournamentID could not be changed once the player has started first round.
LastName	The player's last name
FirstName	The player's first name
Hole	The current/last hole the player is on. Ex. If a player started on the back nine and was playing the 10th hole, the Hole value would be "10".
HoleOrder	The current/last hole sequence number for the player. Ex. If a player started on the back nine and was playing the 10th hole, the HoleOrder value would be "1".

Element Hole:

Attribute Name	Attribute Description
ID	The hole number.
Order	Represents the sequence the holes are played.
NextStrokeNum	The player's next stroke on that hole.
NextStrokeFromID	ID of the lie of the ball for the specific stroke. Possible values are: 1 (Tee), 2 (Fairway), 3 (Fairway Bunker), 4 (Primary Rough), 5 (Intermediate Rough), 6 (First Cut Rough), 7 (Second Cut Rough), 8 (Greenside Bunker), 9 (Fringe or Margin), 10 (Green), 11 (Other), 13 (Pine Straw), 14 (Native Area).
NextStrokeFrom	Description of the lie of the ball for the player's next stroke. Possible values are: "Tee", "Fairway", "Fairway Bunker", "Primary Rough", "Intermediate Rough", "First Cut Rough", "Second Cut Rough", "Greenside Bunker", "Fringe", "Green", "Other", "Pine Straw", "Native Area".
NextStrokeCl	A unique number identifying the type of the club used. Possible values are: "0" (Unknown), "3" (3 Iron), "4" (4 Iron), "5" (5 Iron), "6" (6 Iron), "7" (7 Iron), "8" (8 Iron), "9" (9 Iron), "10" (Driver), "11" (Fwy Wood), "13" (Putter), "15" (Iron), "16" (Hybrid), "46" (Pitching Wedge), "52" (Gap Wedge), "54" (Sand Wedge), "60", (Lob Wedge).
IsOverTheBall	Value of "true" or "false" to notify end users if player is over the ball and ready to hit.

Ball Position Data Feed

The Ball Position data feed contains a player's stroke-by-stroke ball position coordinate data. The Ball Position XML looks similar to this:

```
<?xml version="1.0" encoding="UTF-8"?>
<GolfDataFeed Type="BallPosition" Timestamp="2012-09-12T18:15:30-05:00" HostOrganization="LIV">
  <Tournament ID="1">
    <Event ID="1" CurrentRound="1">
      < Round ID="1" CourseID="1">
        <Player ID="25572" TourID="33413" TournamentID="131390" LastName="McDowell" FirstName="Graeme" Status="1" StatusName="Playing" Hole="2" HoleOrder="2" Score="">
          <Hole ID="1" Order="1" Score="2" CurrentStrokeNum="2" StrokesUnderReview="false">
            <Stroke Num="1" Name="1" Type="Normal" Date="2010-06-17" Time="12:54:23" FromID="1" From="Tee" Cl="10" El="2" Sl="2" Lie="0" >
              <RestingPoint X="699418.820" Y="1274108.000" Z="0.234" DistanceToPin="9000" DistanceTraveled="720.40" Sector="1" IsAroundGreen="true" DistFromFWEdge=""
            DistFromFWCenter="" Zone="2" ZoneDesc="GREEN"/>
            </Stroke>
            <Stroke Num="2" Name="2"Type="Normal" Date="2010-06-17" Time="12:58:41" FromID="10" From="Green" InTheHole="true" Cl="13" El="2" Sl="2" Lie="0" >
              <RestingPoint X="699418.820" Y="1274108.000" Z="0.234" DistanceToPin="150.23" DistanceTraveled="8849.77" Sector="4" IsAroundGreen="true" DistFromFWEdge=""
            DistFromFWCenter=""/>
            </Stroke>
          </Hole>
          <Hole ID="2" Order="2" Score="3" CurrentStrokeNum="3" StrokesUnderReview="false">
            <Stroke Num="1" Name="1" Type="Normal" Date="2010-06-17" Time="12:54:23" FromID="1" From="Tee" Cl="10" El="2" Sl="2" Lie="0">
              <RestingPoint X="699418.820" Y="1274108.000" Z="0.234" DistanceToPin="9000" DistanceTraveled="720.40" Sector="1" IsAroundGreen="false"
            DistFromFWEdge="10.23" DistFromFWCenter="5.23" Zone="1" ZoneDesc="FAIRWAY"/>
            </Stroke>
            <Stroke Num="2" Name="2"Type="Normal" Date="2010-06-17" Time="12:58:41" FromID="2" From="Fairway" Cl="5" El="2" Sl="2" Lie="0">
              <RestingPoint X="699418.820" Y="1274108.000" Z="0.234" DistanceToPin="150.23" DistanceTraveled="8849.77" Sector="4" IsAroundGreen="true" DistFromFWEdge=""
            DistFromFWCenter="" Zone="2" ZoneDesc="GREEN"/>
            </Stroke>
            <Stroke Num="3" Name="3" Type="Normal" Date="2010-06-17" Time="13:02:38" FromID="10" From="Green" InTheHole="true" Cl="7" El="2" Sl="2" Lie="0">
              <RestingPoint X="699418.820" Y="1274108.000" Z="0.234" DistanceToPin="0" DistanceTraveled="150.23" IsAroundGreen="true" DistFromFWEdge=""
            DistFromFWCenter=""/>
            </Stroke>
          </Hole>
          …
        </Player>
      </Round>
    </Event>
  </Tournament>
</GolfDataFeed>
```
Note: the tab spacing in this document is used for readability purposes only.

Filename:
BallPosition-#####-R#. xml where ##### is a unique player ID, and R# is a round id. Character 'R' is included in the filename.

Explanation of attributes for each element:

XML Declaration:

Attribute	Attribute Description
version	Specifies the version of the XML standard that the XML document conforms to is 1.0.
encoding	Specifies the XML document is encoded using the UTF-8 character set.

Element GolfDataFeed:

Attribute Name	Attribute Description
Type	Type of data feed. Always set to "BallPosition" for Ball Position data feed.
Timestamp	Local date and time that the message was generated per ISO 8601 specification. Format: YYYY-MM-DDThh:mm:ssTZ, where TZ = +00:00, +hh:mm, or -hh:mm
HostOrganization	The organization that hosts the tournament. The possible value is "LIV".

Element Tournament:

Attribute Name	Attribute Description
ID	Tournament ID

Element Event:

Attribute Name	Attribute Description
ID	Event ID

Element Round:

Attribute Name	Attribute Description
ID	The round number. For a playoff round, the ID is a 3-digit number comprised of the last round of the tournament plus the digits "01" or "02". For example, if a 3-round tournament has a playoff round, the playoff round ID would be "301" or "302".
CourseID	The course ID where this player is playing in this round.

Element Player:

Attribute Name	Attribute Description
ID	The unique id for the player.
TourID	The unique id for the player provided by a Tour that host global player IDs. For example, MENA IDs provided by the MENA Tour. The value could be initially empty if the Tour has a delay generating this TourID. Once the TourID is provided by the Tour, this data feed will be resent with the new value. The same is applied when the Tour decides to change this TourID. The TourID could not be changed once the player has started first round.
TournamentID	The unique id for the player provided by the tournament. The value could be initially empty if the tournament has a delay generating the TournamentID. Once the TournamentID is provided by the tournament, this data feed will be resent with the new value. The same is applied when the tournament decides to change the TournamentID. This TournamentID could not be changed once the player has started first round.
LastName	The player's last name
FirstName	The player's first name
Status	A unique number identifying the current status of the player. Possible values are 0 (Unknown), 1 (Playing), 2 (Cut), 3 (Withdraw), 4 (Disqualify), 5 (Did Not Start), 6 (Withdraw with Credit), 7 (Disqualify with Credit), 8 (Alternate)
StatusName	The name for the current status of the player. Possible values are "Unknown", "Playing", "Cut", "Withdraw", "Disqualify", "Did Not Start", "Withdraw with Credit", "Disqualify with Credit", "Alternate"
Hole	The current/last hole the player is on. Ex. If a player started on the back nine and was playing the 10th hole, the Hole value would be "10".
HoleOrder	The current/last hole order sequence for the player. Ex. If a player started on the back nine and was playing the 10th hole, the HoleOrder value would be "1".
Score	The player's score for that round (available once the player completes that round). The value is "0" when the player has not yet finished the first hole of the round.

Element Hole:

Attribute Name	Attribute Description
ID	The hole number.
Order	Represents the sequence the holes were played.
Score	The player's score on that hole. Holes not played will contain a value of "0".
CurrentStrokeNum	The player's current stroke on that hole.
StrokesUnderReview	The value is "true" when Stroke Trail is currently under review and is subject to multiple changes until this flag is cleared. This is a rare scenario such as multiple shots into the water.

Element Stroke:

Attribute Name	Attribute Description
Num	Sequential stroke number for the hole played
Name	Describes the name of the stroke.
Type	Describes the type of stroke. Possible values are: "Normal", "Drop", "Provisional" and "Penalty".
Date	Local date when the stroke occurred in the format "yyyy-mm-dd"
Time	Local time when the stroke occurred in military time (24-hour clock) format "hh:mm:ss"
FromID	ID of the lie of the ball for the specific stroke. Possible values are: 1 (Tee), 2 (Fairway), 3 (Fairway Bunker), 4 (Primary Rough), 5 (Intermediate Rough), 6 (First Cut Rough), 7 (Second Cut Rough), 8 (Greenside Bunker), 9 (Fringe or Margin), 10 (Green), 11 (Other), 13 (Pine Straw), 14 (Native Area). The attribute will be blank if Stroke/@Type is "Penalty" or "Drop"
From	Description of the lie of the ball for the specific stroke. Possible values are: "Tee", "Fairway", "Fairway Bunker", "Primary Rough", "Intermediate Rough", "First Cut Rough", "Second Cut Rough", "Greenside Bunker", "Fringe", "Green", "Other", "Pine Straw", "Native Area". The attribute will be blank if Stroke/@Type is "Penalty" or "Drop"
InTheHole (optional)	Value of "true" or "false". This attribute appears only when the specific stroke results with the ball in the hole.
Cl	A unique number identifying the type of the club used. Possible values are: "0" (Unknown), "3" (3 Iron), "4" (4 Iron), "5" (5 Iron), "6" (6 Iron), "7" (7 Iron), "8" (8 Iron), "9" (9 Iron), "10" (Driver), "11" (Fwy Wood), "13" (Putter), "15" (Iron), "16" (Hybrid), "46" (Pitching Wedge), "52" (Gap Wedge), "54" (Sand Wedge), "60", (Lob Wedge).
El	A unique number identifying the elevation of the stroke. Possible values are: "0" (Unknown), "1" (Above), "2" (Even With), "3" (Below).
Sl	A unique number identifying the slope of the stroke. Possible values are: "0" (Unknown), "1" (Uphill), "2" (Level), "3" (Downhill).
Lie	A unique number identifying the lie of the stroke. Possible values are: "0" (Unknown), "1" (Good), "2" (Divot), "3" (Buried).

Element RestingPoint:

Attribute Name	Attribute Description
X	X coordinate of the resting point of the ball
Y	Y coordinate of the resting point of the ball
Z	Z coordinate of the resting point of the ball
DistanceToPin	Distance to pin in inches
DistanceTraveled	Distance traveled from this stroke's origin in inches
~~IsApproximation~~	~~Value of "true" or "false". If an accurate position is not immediately available this flag will be set to "true".~~
InWaterHazard	Value of "true" or "false".
OffTheGrid	Value of "true" or "false".
IsAroundGreen	Value of "true" or "false". Implicit value of "false" when attribute is omitted from element
DistFromFWEdge	Distance from fairway edge. The value could be empty if not applicable to the calculation rule.
DistFromFWCenter	Distance from fairway center. The value could be empty if not applicable to the calculation rule.
Zone	Zone ID where the ball has come to rest. Possible values are: 1 (FAIRWAY), 2 (GREEN), 3 (BUNKER), 4 (SECOND_CUT), 5 (TEE_BOXES), 6 (MARGIN/COLLAR), 7 (WATER), 8 (STANDS), 9 (PINE_STRAW/PINE_MULCH), 10 (SCOREBOARD), 11 (PATH), 12 (CART_PATH), 13 (BRIDGE), 14 (SHRUBS/BUSH), 15 (CULVERT), 16 (WALL), 17 (ROUGH), 18 (GREENSIDE_BUNKER), 19 (OTHER), 20 (FIRST_CUT), 21 (NATIVE_AREA), 22 (WASTE_BUNKER), 23 (GRASS_BUNKER), 24 (WALK_STRIP), 25 (ROCKS), 26 (DIRT), 27 (INTERMEDIATE_ROUGH), 28 (TREE_OUTLINE), 29 (BUILDING), 30 (STEP), 31 (LANDSCAPING). *Zone attribute is not available when InTheHole="true"*
ZoneDesc	Zone Description where the ball has come to rest. The location description verbiage may change from tournament to tournament. Most generic possible values are: "FAIRWAY" (1), "GREEN" (2), "BUNKER" (3), "SECOND_CUT" (4), "TEE_BOXES" (5), "MARGIN"/"COLLAR" (6), "WATER" (7), "STANDS" (8), "PINE_STRAW"/"PINE_MULCH" (9), "SCOREBOARD" (10), "PATH" (11), "CART_PATH" (12), "BRIDGE" (13), "SHRUBS"/"BUSHES" (14), "CULVERT" (15), "WALL" (16), "ROUGH" (17), GREENSIDE_BUNKER" (18), "OTHER" (19), "FIRST_CUT" (20), "NATIVE_AREA" (21), "WASTE_BUNKER" (22), "GRASS_BUNKER" (23), "WALK_STRIP" (24), "ROCKS" (25), "DIRT" (26), "INTERMEDIATE_ROUGH" (27), "TREE_OUTLINE" (28), "BUILDING" (29), "STEP" (30), "LANDSCAPING" (31). *Zone attribute is not available when InTheHole="true"*
Sector	Region in which the ball has come to rest. Possible values are: 1 – "Fairway Left", 2-"Fairway Right", 3-"Greenside Front Left", 4-"Greenside Back Left", 5-"Greenside Front Right" 6-"Greenside Back Right". *Sector attribute is not available when InTheHole="true"*

YTD Player Stats Data Feed

The YTD Player Stats data feed contains information regarding the YTD Player statistics. This feed is sent at the end of the tournament once tournament status is set to Official. The YTD Player Stats XML looks similar to this:

```
<?xml version="1.0" encoding="UTF-8"?>
<GolfDataFeed Type="PlayerYTDStats" Timestamp="2023-02-08T13:29:07-05:00" HostOrganization="LIV">
    <YTDStandings Year="2022">
        <YTDStat ID="PlayerTournamentPoints">
            <Player ID="12" TourID="3455" FirstName="Dustin" LastName="Johnson" Rank="1" RankOrder="1" Value="135">
                <Tournament ID="1" Rank="8" RankOrder="8" Value="12"/>
                <Tournament ID="2" Rank="4" RankOrder="4" Value="18"/>
                <Tournament ID="3" Rank="3" RankOrder="3" Value="24"/>
                <Tournament ID="4" Rank="1" RankOrder="1" Value="40"/>
                <Tournament ID="5" Rank="3" RankOrder="3" Value="24"/>
                <Tournament ID="6" Rank="16" RankOrder="16" Value="3"/>
                <Tournament ID="7" Rank="6" RankOrder="6" Value="14"/>
            </Player>
            …
        </YTDStat>
        <YTDStat ID="PlayerMoney">
            <Player ID="12" TourID="3455" FirstName="Dustin" LastName="Johnson" Rank="1" RankOrder="1" Value="10575267">
                <Tournament ID="1" Rank="8" RankOrder="8" Value="625000"/>
                <Tournament ID="2" Rank="T3" RankOrder="4" Value="1275000"/>
                <Tournament ID="3" Rank="T2" RankOrder="3" Value="1812500"/>
                <Tournament ID="4" Rank="1" RankOrder="1" Value="4000000"/>
                <Tournament ID="5" Rank="T2" RankOrder="3" Value="1812500"/>
                <Tournament ID="6" Rank="T15" RankOrder="16" Value="233600"/>
                <Tournament ID="7" Rank="T5" RankOrder="6" Value="816667"/>
            </Player>
            …
        </YTDStat>
        <YTDStat ID="Scrambling">
            <Player ID="63" TourID="3453" FirstName="Cameron" LastName="Smith" Rank="1" RankOrder="1" Value="54" Avg="4.5" Opp="73" Pct="73.97" Rounds="12">
                <Tournament ID="4" Rank="T13" RankOrder="13" Value="11" Avg="3.67" Opp="17" Pct="64.71"/>
                <Tournament ID="5" Rank="1" RankOrder="1" Value="15" Avg="5.00" Opp="18" Pct="83.33"/>
                <Tournament ID="6" Rank="19" RankOrder="19" Value="13" Avg="4.33" Opp="19" Pct="68.42"/>
                <Tournament ID="7" Rank="6" RankOrder="6" Value="15" Avg="5.00" Opp="19" Pct="78.95"/>
            </Player>
            …
        </YTDStat>
        <YTDStat ID="DD">
            <Player ID="50" TourID="3456" FirstName="Bryson" LastName="DeChambeau" Rank="1" RankOrder="1" Value="5887.5" Avg="327.1" Opp="18" Pct="0" Rounds="18">
                <Tournament ID="2" Rank="2" RankOrder="2" Value="" Avg="337.5" Opp="6" Pct=""/>
                <Tournament ID="3" Rank="1" RankOrder="1" Value="" Avg="331.2" Opp="6" Pct=""/>
                <Tournament ID="4" Rank="5" RankOrder="5" Value="" Avg="303.0" Opp="6" Pct=""/>
                <Tournament ID="5" Rank="6" RankOrder="6" Value="" Avg="311.9" Opp="6" Pct=""/>
                <Tournament ID="6" Rank="1" RankOrder="1" Value="" Avg="348.4" Opp="6" Pct=""/>
                <Tournament ID="7" Rank="3" RankOrder="3" Value="" Avg="330.5" Opp="6" Pct=""/>
            </Player>
            …
        </YTDStat>
        …
    </YTDStandings>
</GolfDataFeed>
```

Note: the tab spacing in this document is used for readability purposes only.

Filename: PlayerYTDStats.xml.

Explanation of attributes for each element:

XML Declaration:

Attribute	Attribute Description
version	Specifies the version of the XML standard that the XML document conforms to is 1.0.
encoding	Specifies the XML document is encoded using the UTF-8 character set.

Element GolfDataFeed:

Attribute Name	Attribute Description
Type	Type of data feed. Always set to "PlayerYTDStats".
Timestamp	Local date and time that the message was generated per ISO 8601 specification. Format: YYYY-MM-DDThh:mm:ssTZ, where TZ = +00:00, +hh:mm, or -hh:mm
HostOrganization	The organization that hosts the tournament. The possible value is "LIV".

Element YTDStandings:

Attribute Name	Attribute Description
Year	Year value of the current year.

Element YTDStat:

Attribute Name	Attribute Description
ID	The unique id for the stat list. The possible values are: "PlayerTournamentPoints" – Player Points "PlayerMoney" – Individual Player Money (not included Team Money) "Scrambling" – Ranks calculated by Average % "GIR" – Greens in Regulation – Ranks calculated by Average % "FH" – Fairway Hits – Ranks calculated by Average % "DD" – Drive Distance – Ranks calculated by Average % "PA" – Putting Average - – Ranks calculated by Average % "Birdies" – Ranks calculated by Value "Eagles" – Ranks calculated by Value

Element YTDStat/Player:

Attribute Name	Attribute Description
ID	The unique id for the player used in the scoring system.
TourID	The unique id for the player provided by a Tour that host global player IDs. For example MENA IDs provided by the MENA TOUR. The value could be initially empty if the Tour has a delay generating this TourID. Once the TourID is provided by the Tour, this data feed will be resent with the new value. The same is applied when the Tour decides to change this TourID. The TourID could not be changed once the player has started first round.
TournamentID	The unique id for the player provided by the tournament. The value could be initially empty if the tournament has a delay generating the TournamentID. Once the TournamentID is provided by the tournament, this data feed will be resent with the new value. The same is applied when the tournament decides to change the TournamentID. This TournamentID could not be changed once the player has started first round.
Rank	The player's rank *Empty if player is Cut, WD, DQ*
RankOrder	A unique number specifying the player's display order. (Empty if player is Cut)
Value	The total value of the all stats stat. Attribute format is N (##0.0) for DD and LD, N (##0) for all other stats. *Empty if player is Cut, WD, DQ*
Opp	The total opportunities that a player had for a particular stat. Attribute format is N (##0). *Not valid for LD stat.* *Empty if player is Cut, WD, DQ*

Avg	The average value that calculated by dividing value by opportunities. Attribute format is N (##0.0) for DD, N (##0.00) for all other stats. (Empty if player is Cut) *Not valid for LD stat.* *Empty if player is Cut, WD, DQ*
Pct	The percent value based on total value and opportunities. Attribute format is N (##0.00). (Empty if player is Cut) *Not valid for DD, LD and Putts stats.* *Empty if player is Cut, WD, DQ*
Rounds	Number of Rounds played in current year (Not available in PlayerTournamentPoints and PlayerMoney)

Element YTDStat/Player/Tournament:

Attribute Name	Attribute Description
ID	Tournament ID
Rank	The player's rank. *Empty if player is Cut, WD, DQ*
RankOrder	A unique number specifying the player's display order. (Empty if player is Cut)
Value	The total value of the all stats stat. Attribute format is N (##0.0) for DD and LD, N (##0) for all other stats. *Empty if player is Cut, WD, DQ*
Opp	The total opportunities that a player had for a particular stat. Attribute format is N (##0). *Not valid for LD stat.* *Empty if player is Cut, WD, DQ*
Avg	The average value that calculated by dividing value by opportunities. Attribute format is N (##0.0) for DD, N (##0.00) for all other stats. (Empty if player is Cut) *Not valid for LD stat.* *Empty if player is Cut, WD, DQ*
Pct	The percent value based on total value and opportunities. Attribute format is N (##0.00). (Empty if player is Cut) *Not valid for DD, LD and Putts stats.* *Empty if player is Cut, WD, DQ*

YTD Team Stats Data Feed

The YTD Team Stats data feed contains information regarding the YTD Team statistics. This feed is sent at the end of the tournament once tournament status is set to Official. The YTD Team Stats XML looks similar to this:

```
<?xml version="1.0" encoding="UTF-8"?>
<GolfDataFeed Type="TeamYTDStats" Timestamp="2023-02-08T13:29:07-05:00" HostOrganization="LIV">
   <YTDStandings Year="2022">
      <YTDStat ID="TeamTournamentPoints">
         <Team ID="6" TourID="" Name="4 ACES GC" Organization="ACE" OrganizationName="4 ACES GC" Rank="1" RankOrder="1" Value="152">
            <Tournament ID="1" Rank="5" RankOrder="5" Value="8"/>
            <Tournament ID="2" Rank="1" RankOrder="1" Value="32"/>
            <Tournament ID="3" Rank="1" RankOrder="1" Value="32"/>
            <Tournament ID="4" Rank="1" RankOrder="1" Value="32"/>
            <Tournament ID="5" Rank="1" RankOrder="1" Value="32"/>
            <Tournament ID="6" Rank="6" RankOrder="6" Value="4"/>
            <Tournament ID="7" Rank="4" RankOrder="4" Value="12"/>
         </Team>
         …
      </YTDStat>
      <YTDStat ID="TeamMoney">
         <Team ID="6" TourID="" Name="4 ACES GC" Organization="ACE" OrganizationName="4 ACES GC" Rank="1" RankOrder="1" Value="12250000">
            <Tournament ID="1" Rank="" RankOrder="5" Value="0"/>
            <Tournament ID="2" Rank="" RankOrder="1" Value="3000000"/>
            <Tournament ID="3" Rank="" RankOrder="1" Value="3000000"/>
            <Tournament ID="4" Rank="" RankOrder="1" Value="3000000"/>
            <Tournament ID="5" Rank="" RankOrder="1" Value="3000000"/>
            <Tournament ID="6" Rank="" RankOrder="6" Value="0"/>
            <Tournament ID="7" Rank="" RankOrder="4" Value="250000"/>
         </Team>
         …
      </YTDStat>
   </YTDStandings>
</GolfDataFeed>
```

Note: the tab spacing in this document is used for readability purposes only.

Filename: TeamYTDStats.xml.

Explanation of attributes for each element:

XML Declaration:

Attribute	Attribute Description
version	Specifies the version of the XML standard that the XML document conforms to is 1.0.
encoding	Specifies the XML document is encoded using the UTF-8 character set.

Element GolfDataFeed:

Attribute Name	Attribute Description
Type	Type of data feed. Always set to "TeamYTDStats".
Timestamp	Local date and time that the message was generated per ISO 8601 specification. Format: YYYY-MM-DDThh:mm:ssTZ, where TZ = +00:00, +hh:mm, or -hh:mm
HostOrganization	The organization that hosts the tournament. The possible value is "LIV".

Element YTDStandings:

Attribute Name	Attribute Description
Year	Year value of the current year.

Element YTDStat:

Attribute Name	Attribute Description
ID	The unique id for the stat list. The possible values are: "TeamTournamentPoints" – Player Points

Element YTDStat/Team:

Attribute Name	Attribute Description
ID	The unique id for the team used in the scoring system.
TourID	The unique id for the team provided by a Tour that host global player IDs. For example MENA IDs provided by the MENA TOUR. The value could be initially empty if the Tour has a delay generating this TourID. Once the TourID is provided by the Tour, this data feed will be resent with the new value. The same is applied when the Tour decides to change this TourID. The TourID could not be changed once the player has started first round.
TournamentID	The unique id for the team provided by the tournament. The value could be initially empty if the tournament has a delay generating the TournamentID. Once the TournamentID is provided by the tournament, this data feed will be resent with the new value. The same is applied when the tournament decides to change the TournamentID. This TournamentID could not be changed once the player has started first round.
Rank	The team's rank
RankOrder	A unique number specifying the team's display order.
Value	The total value of the all stats stat. Attribute format is N (##0) for all stats.

Element YTDStat/Team/Tournament:

Attribute Name	Attribute Description
ID	Tournament ID
Rank	The team's rank.
RankOrder	A unique number specifying the team's display order.
Value	The total value of the all stats stat. Attribute format is N (##0) for all stats.

Document Version Control

Version	Modification Date	Comments
1.1	2023-03-23	Removed "IsApproximation" from Ball Position Feed Added "Scrambling" stats to Tournament Stats Feed
1.0	2023-02-13	Separated from SMT Stroke Play, Ball Position, and Weather Feeds Added "Round/@IsTeamPlayoff" to Tournament, Players, Player Strokes, and Leaderboard Feeds Added Tee and Pin Position elements to Courses Feed Added elements in LIVTeamLeaderboard feed that were already used in 2022 season: Round and Player Added PlayerYTDStats and TeamYTDStats Club selection is collected on every stroke. The possible values are updated. Added "IsOfficialDDHole" to Player and Player Strokes Feeds on each hole where "DriveDist" is provided. "DriveDist" value is sent for every hole in Player and Player Strokes Feeds where Drive Distance is collected. Added @Round in LIV Team Leaderboard feed the following attributes: TotalScore, RoundRank, RoundRankOrder, Rank, RankOrder, TotalToPar.