A list of methods need to be implemented in a GT source:

1. String Init(param1, param2, param3, param4, param5)

   This function initializes the GT source. Any act of initialization need to be completed when this function is done.

   Parameters: the function gets 5 strings which you can use as you wish, for any purpose.

   In Optitrack system:

   - param1 – the name of the rigid-body which is connected to the camera. default is: “DoubleDome”
   - param2 – need to be “0”. (indicates that the OT system is running in “calibration” mode)
   - Param3 – middle-ware name. Default is: “sp”.
   - Param4 – optitrack client ip. Default is: “10.12.144.144”
   - Param5 – optitrack server ip. Default is: “10.12.144.144”

   Return value: The function returns the path to the created folder of the output files. The folder should be in an agreed shared folder and the output files should be written there. Currently the shared folder is located in: …TFS\CVL\Tools\GTool\RecordService\output.

   For example see the function “optitrackInit” in : $/SW/CVL/Tools/GTool/GTUtils/OptitrackUtils/ OptitrackUtils.cpp. The inner function “initOutputF older” creates the output folder in the required location.

2. Bool Start()

   This function starts recording.

   Parameters: /

Return value: the function returns a Boolean value which indicates whether the recording has succeeded or not.

3. Bool Stop()

   This function stops the record.

   Parameters: none

   Return value: the function returns a Boolean value which indicates whether the recording has stopped successfully or not.

4. Bool Shutdown()

   This function closes the files, releases allocated resources etc…

   Parameters: none

   Return value: the function returns a Boolean value which indicates whether the operation has succeeded or not.

Note: the yellow-marked functions names must be a part of the function name, not necessarily the full name.