

# SAVP Guidelines

by Jindra Vavruška, OK4RM

*Practical guidelines for proper use of SAVP requests for verification of contacts*

## What is SAVP

SAVP stands for Simple Award Verification Protocol. This protocol can be used for (semi-)automatic verification of claimed contact in electronic logbook of the station worked. It is assumed that SAVP will be implemented by sites providing “electronic QSL” or “electronic logbook” services as one of their features.

## Who Should Read This Document

This document is addressed to system administrators and server software developers, as well as Award Managers who might want to consider automation of electronic award applications process.

## How to Verify Contacts Claimed

1. Before you send data to SAVP host, Award Manager should check their eligibility and validity for the award.
2. Award manager will have to provide both station calls (“**mycall**” must be the award applicant’s callsign, because it will be station log uploaded by **hiscall** that will be searched through).
3. Provide other mandatory parameters: **date** and **band**.
4. Never include parameters, which are not essential for QSO validity:
  - a. if mode does not matter, never include **mode** parameter in the request,
  - b. if exact time does not matter, never include **utc** parameter.

## What SAVP Host Does and Does Not

- SAVP is designed **to be used by software**, but the request can be as well sent using a common web browser. However, a browser might not be able to display all necessary information (N.B. the result OK/Not Found is defined by HTTP status, not the .
- SAVP host will verify exact match of **all** details provided about particular QSO in a request match data in station log.
- SAVP host compares if verification request details **exactly match** logged QSO, except for letter case (i.e. “OK4RM” is equal to “ok4rm”, “SSb” equals “ssB”, etc.)
- SAVP host **does not guess** missing or redundant information. E.g. if the request claims QSO with **OK1KEO/P** but the log uploader was **OK1KEO**, there is no match.
- SAVP host **does not check award conditions** fulfillment. It only checks that request and station log match. Award conditions check remains the responsibility of Award Manager.

## How to call SAVP service

- Use SAVP verification URL at the selected host, e.g. <http://hamqth.com/verifyqso.php>
- Provide all necessary parameters, e.g. <http://hamqth.com/verifyqso.php?mycall=ok4rm&hisccall=ok2cqr&date=20091106&band=80m>
- Call host using HTTP

## How to read SAVP response

Verification status is expressed by HTTP status:

- status 200 means “QSO verified”
- status 404 means “QSO not found” (i.e. not a QSO with all the details exactly as provided in the request, although another QSO between the two stations might exist). The precise meaning of “404” is “QSO not found here, you should try elsewhere”, leaving it to Award Manager to decide or check QSO in other resource.
- status 400 means “Bad Request”. i.e. some mandatory parameter was missing, i.e. Award Manager has no information about existence of the contact on the particular server.