Resolution SFCG A24-1

ASSISTANCE IN THE ASSIGNMENT OF FREQUENCIES TO ACTIVE REMOTE SENSING MISSIONS IN THE MARS REGION

The SFCG,

CONSIDERING

a) that the proper assignment of frequencies to active remote sensing missions in the Mars Region is essential to mission success;

b) that the proper assignment of telecommunication frequencies to deep space probes (Category B missions) is also essential to mission success;

c) that this telecommunication frequency assignment process demands the appropriate software tools, significant expertise, and a complete knowledge of the existing and planned assignments to Category B missions, as well as their technical parameters, trajectories, mission timeframes, and planned events;

d) that NASA/JPL has carried out successfully for many decades the task of telecommunication frequency assignment to NASA and some other space agencies' deep space missions;

e) that concurrent active remote sensors and a regional communication network in the Mars region may result in incompatible operations;

f) that the compatibility assessment process between active remote sensing frequencies and telecommunication frequencies in the Mars region benefits from the expertise available at NASA/JPL.

RECOGNISING

the offer by NASA/JPL to assist SFCG Member Agencies, at their request, with frequency assignment tasks for active remote sensing missions in the Mars Region;

RESOLVES

to accept the offer by NASA/JPL, and

ENCOURAGES

SFCG Member Agencies planning active remote sensing missions in the Mars Region to take advantage of the assistance offered by NASA/JPL and to provide current technical, operational and mission information and timely updates to facilitate frequency coordination and interference analysis;