Policy on the GPS L2C Signal

National Geodetic Survey

Approved by the Executive Steering Committee

23 January 2006

This policy has been retired and is no longer in effect

<u>Statement on the policy of the National Geodetic Survey regarding GPS L2C</u>

NOAA's National Geodetic Survey (NGS), in consideration of the recent launch of the first modernized GPS (Block IIR-M) satellite, hereby sets the following policy toward the new civilian signal, L2C, being broadcast from block IIR-M (and future block) GPS satellites:

1) NGS <u>applauds</u> the efforts of everyone working on making GPS modernization a reality.

2) NGS will begin <u>investigating</u> the positioning impacts of L2C as soon as possible, including antenna calibration issues.

3) NGS <u>encourages</u> receiver manufacturers to provide sample data for L2C for purposes of evaluation of the signal characteristics and potential.

4) NGS <u>recognizes</u> that the entire Global Navigation Satellite System (GNSS) environment is scheduled to change in the coming years (more IIR-M launches, GPS II-F with L5, GPS III, GLONASS modernization, Galileo, etc). Issues expected to arise from this changing environment include:

   a. The necessity for future RINEX (or other internationally agreed upon) formats to handle new data types

   b. A rapidly changing GNSS receiver and antenna industry to receive new data types as they begin broadcasting

5) Until such time as an L2C study is completed at NGS, <u>NGS will neither mandate nor encourage</u> the changing of receivers and antennas in the existing CORS network to receive L2C.

6) <u>The official CORS data format remains RINEX 2.10.</u> This policy will be revisited at such time as new software (TEQC or equivalent) exists to support RINEX 2.11.

7) If any CORS partner does install an L2C capable receiver, <u>NGS will distribute that L2C data only after software (TEQC or equivalent) capable of supporting RINEX 2.11 is made available</u>.