CHAPTER 1
GENERAL

1.1 PURPOSE AND SCOPE

1.1.1 Purpose

The purpose of these specifications is to provide appropriate guidelines to effect uniformity and standardization of content and portrayal techniques in the preparation and production of charts for use by both civil and military pilots.

1.1.2 Scope

Instrument Departure Procedures (DP) are preplanned Instrument Flight Rule (IFR) procedures which provide obstruction clearance from the terminal area to the appropriate en route structure. There are two types of DPs: Obstacle Departure Procedures (ODPs), printed either textually or graphically and Standard Instrument Departures (SIDs), always printed graphically. SIDS are primarily designed for system enhancement and to reduce pilot/controller workload, and require ATC clearance. ODPs provide obstruction clearance via the least onerous route from the terminal area and may be flown without ATC clearance. All DPs provide the pilot with a safe departure from the airport and transition to the en route structure.

These specifications address Graphic DPs only and are intended as a guide in their preparation. For simplicity, the generic term "DP" shall be used within this document to indicate both SIDs and graphic ODPs.

1.2 REQUIREMENTS

1.2.1 General

DP charts shall be prepared, using one basic chart layout, for all civil, military, and civil/military airports for which DP procedures have been established and designated.

1.2.2 Quality and Accuracy

The highest standard of accuracy in plotting, reproduction, and currency of information contained therein, shall be maintained.

Although the digital chart files are compiled in accordance with these specifications, the final product may vary slightly in appearance due to differences in printing techniques/processes and/or digital display techniques.

1.2.3 Color

DP Charts and supplemental textual data, as required, regardless of format of presentation, shall be prepared for a one color presentation. All information, textual and graphics, shall be in solid color, unless otherwise specified.

1.2.4 Scale

Generally, DP charts shall be depicted "not to scale" due to the great distances involved on some procedures or route segments. The portrayal may be distorted but angular integrity should be maintained whenever possible. A "to scale" portrayal may be used if the layout permits and readability is assured.

1.2.5 Projection

Projection shall be Lambert Conformal, or Polyconic.

1.2.6 Horizontal Datum Reference

Charts referenced to horizontal datum other then North American Datum 1983 (NAD 83) will show a note, e.g., Horizontal Datum: WGS 72, indicating the datum used in 7 pt. type centered above the bottom neatline in the planview.

1.2.7 Symbolization

Symbolization shall be in accordance with the aeronautical information and chart symbols included in **Appendix 1**.

These symbols have been developed through the United States Government Interagency Air Cartographic Committee (IACC) and its supporting technical groups for the purpose of standardization of the aeronautical symbols portrayed on charts and publications used by both military and civil aviation.

The symbols contained in these specifications have been developed for use in the preparation of U.S. Government Aeronautical Charts and Publications.

The configuration of the symbols contained herein shall be adhered to. The size and line weights, specified and/or indicated herein, should also be adhered to, but may be varied when absolutely necessary.

1.2.8 Type Styles

The use of capital letters is intended, unless otherwise stated as C/L (capital and lower case letters).

All type, unless otherwise specified, shall be Futura Medium, as indicated on the various appendices.

Type sizes specified herein shall be adhered to. However, and only in those areas of extreme congestion, or where a specified type size would create unnecessary congestion, the size of type may be reduced to the next smaller size.

1.3 SPECIFICATION APPENDICES

Specification Appendices are included within these specifications for use in layout, format and content. Appendices do not necessarily reflect all possible operational content.