

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 operating in the National Airspace System.

1.1.2 Scope

A Standard Terminal Arrival (STAR) is a preplanned instrument flight rule (IFR) air traffic control arrival procedure published for pilot use in graphic and textual form. STARs reduce pilot/controller workload and air-ground communications, minimizing error potential in delivery and receipt of clearances. These specifications shall be used in the preparation of STAR Charts.

1.2 REQUIREMENTS

1.2.1 General

STAR Charts shall be prepared for all civil, military, and civil/military airports for which STAR 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 technique.

1.2.3 Color

STAR Chart information and supplemental textual material, as required, 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

STAR charts generally shall be depicted 'not to scale' due to the great distances involved on many procedures and route segments. The portrayal may be distorted, but angular integrity should be maintained whenever possible. A 'to scale' depiction may be used only if the layout permits and readability is assured.

1.2.5 Projection

Projection shall be Lambert Conformal Conic or Polyconic.

1.2.6 Horizontal Reference

Charts referenced to horizontal datum other than 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/Chart Symbols included in [Appendix 1](#).

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

These symbols have been developed through the United States Government Inter-Agency 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 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

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