CORROSION SEVERITY MAPS - DESCRIPTION AND OPERATION

1. General

A. This section contains maps that show areas of the world where the potential for corrosion on airplane structures is mild, moderate or severe.

(1) It is the responsibility of the owner and operator to determine the specific corrosion severity level with respect to the operating environment of the airplane based on geographic location and known environmental conditions. Corrosion Severity Zones are defined as follows:

(a) Mild Corrosion Severity Zone - Airplanes operated in arid, temperate or cold regions.

(b) Moderate Corrosion Severity Zone - Airplanes operated in tropical or subtropical high humidity regions.

CAUTION: Airports that use fluids such as potassium formate or those with chemical properties similar to urea or salt to remove ice from the airplane must be classified as severe corrosion environments regardless of how they are classified on the following maps. Failure to follow the severe classification for airplanes that operate in these environments can result in corrosion damage to the airplane.

CAUTION: An airplane that flies into any severe corrosion areas during its operational route will be classified as operating in a severe zone.

(c) Severe Corrosion Severity Zone - Airplanes operated in the following conditions should follow the procedures for severe corrosion zones:

- Salt water or coastal regions
- Based in or near industrial or metropolitan areas with heavy atmospheric pollution
- From airports where the use of chemical to remove the ice from the airplane is common
- Agricultural operations
- Airplanes with floats installed

(2) Corrosion severity zones are affected by atmospheric and other climatic factors. The maps shown in this section are to be used as guidance when types and frequency of required inspections as well as other maintenance are determined.

(a) For the corrosion severity map for North America, refer to Figure 1.

(b) For the corrosion severity map for South America, refer to Figure 2.

(c) For the corrosion severity map for Africa, refer to Figure 3.

(d) For the corrosion severity map for Asia, refer to Figure 4.

(e) For the corrosion severity map for Europe and Asia Minor, refer to Figure 5.

(f) For the corrosion severity map for the South Pacific region, refer to Figure 6.

Figure 1 : Sheet 1 : North America Corrosion Severity Map

Figure 2 : Sheet 1 : South America Corrosion Severity Map

Figure 3 : Sheet 1 : Africa Corrosion Severity Map

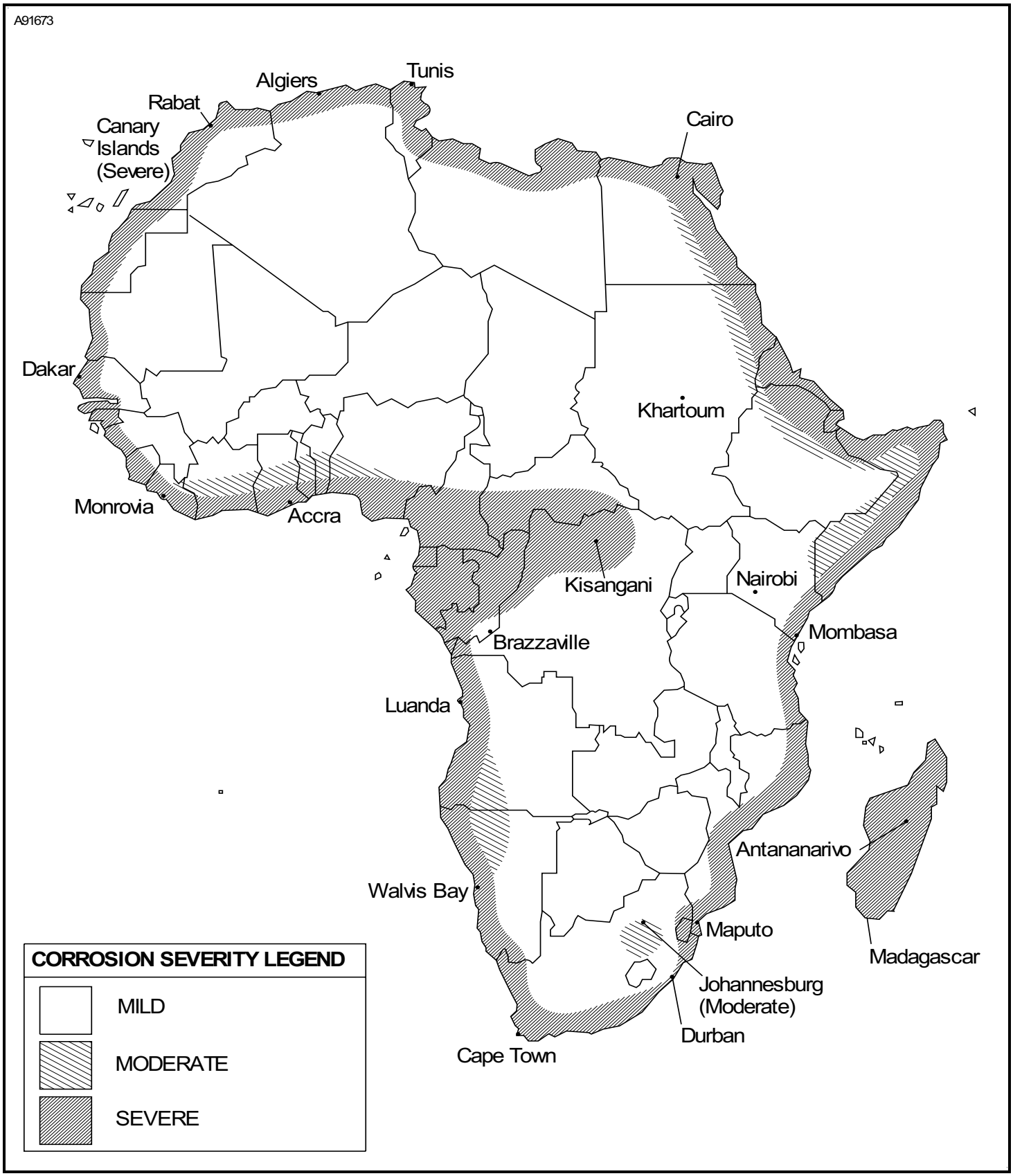

Figure 4 : Sheet 1 : Asia Corrosion Severity Map

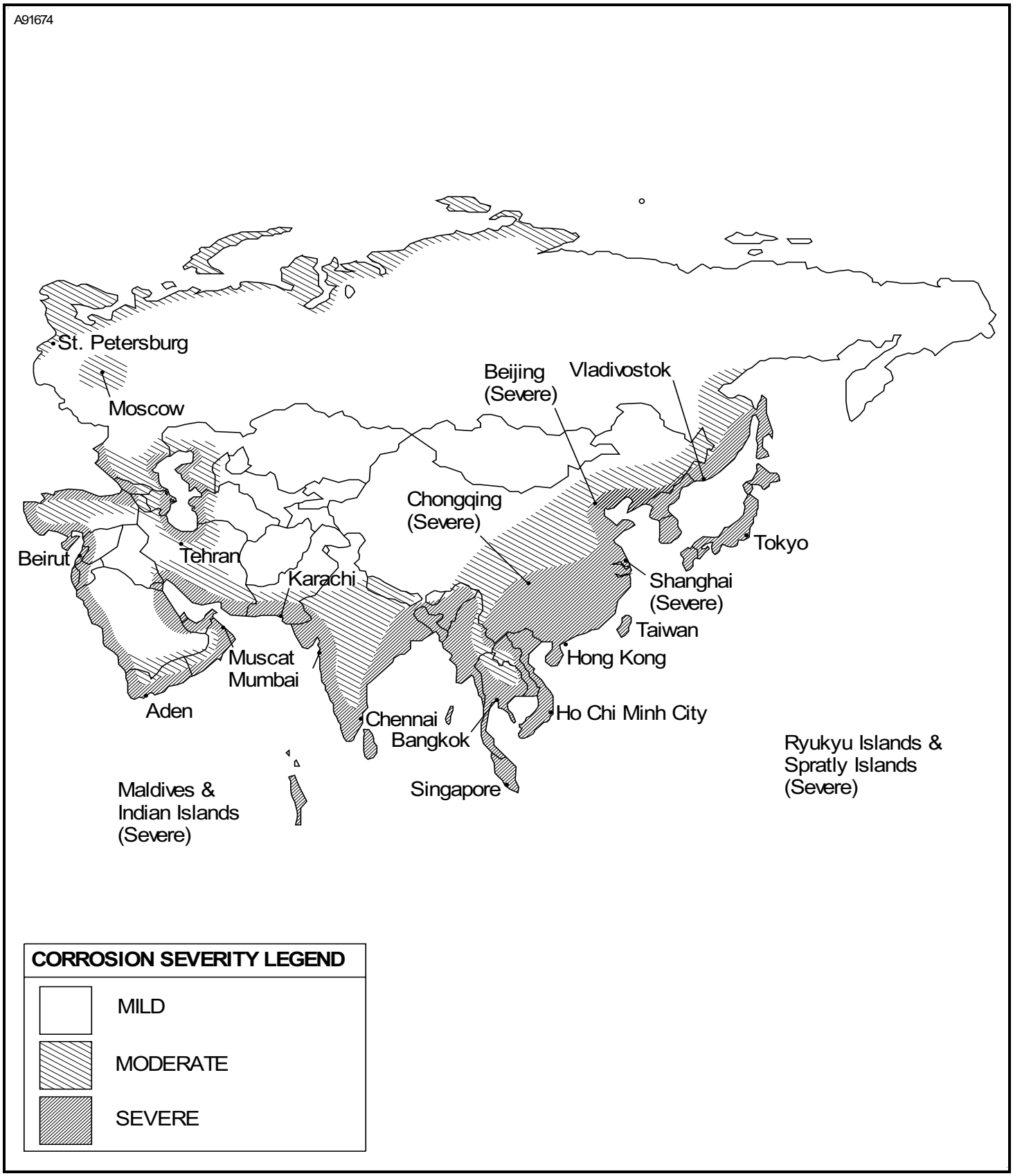

Figure 5 : Sheet 1 : Europe and Asia Minor Corrosion Severity Map

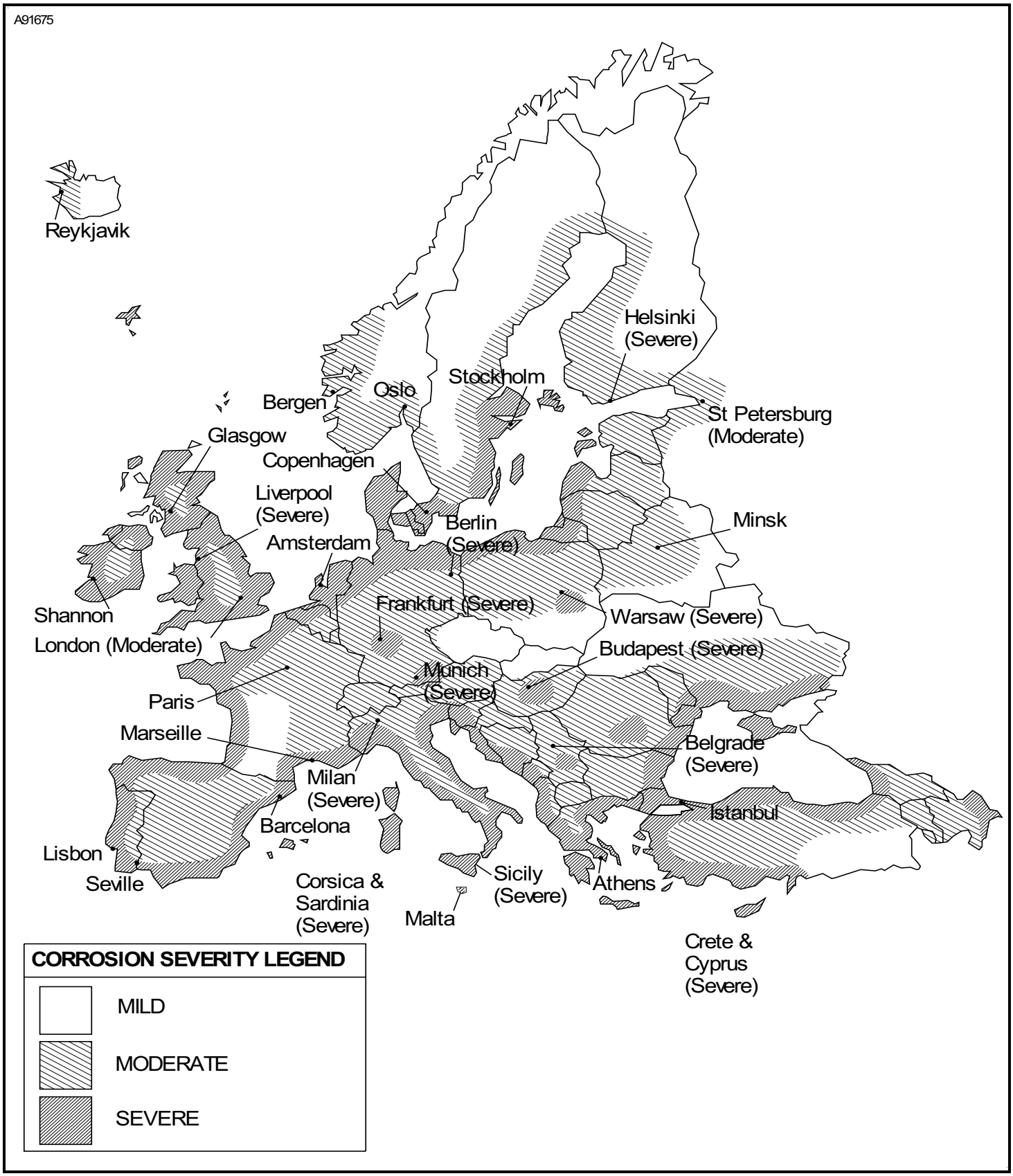

Figure 6 : Sheet 1 : South Pacific Corrosion Severity Map