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**Satellite Internet (SI)
Specification
draft-omar-si-00**

Status of this Memo

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Abstract

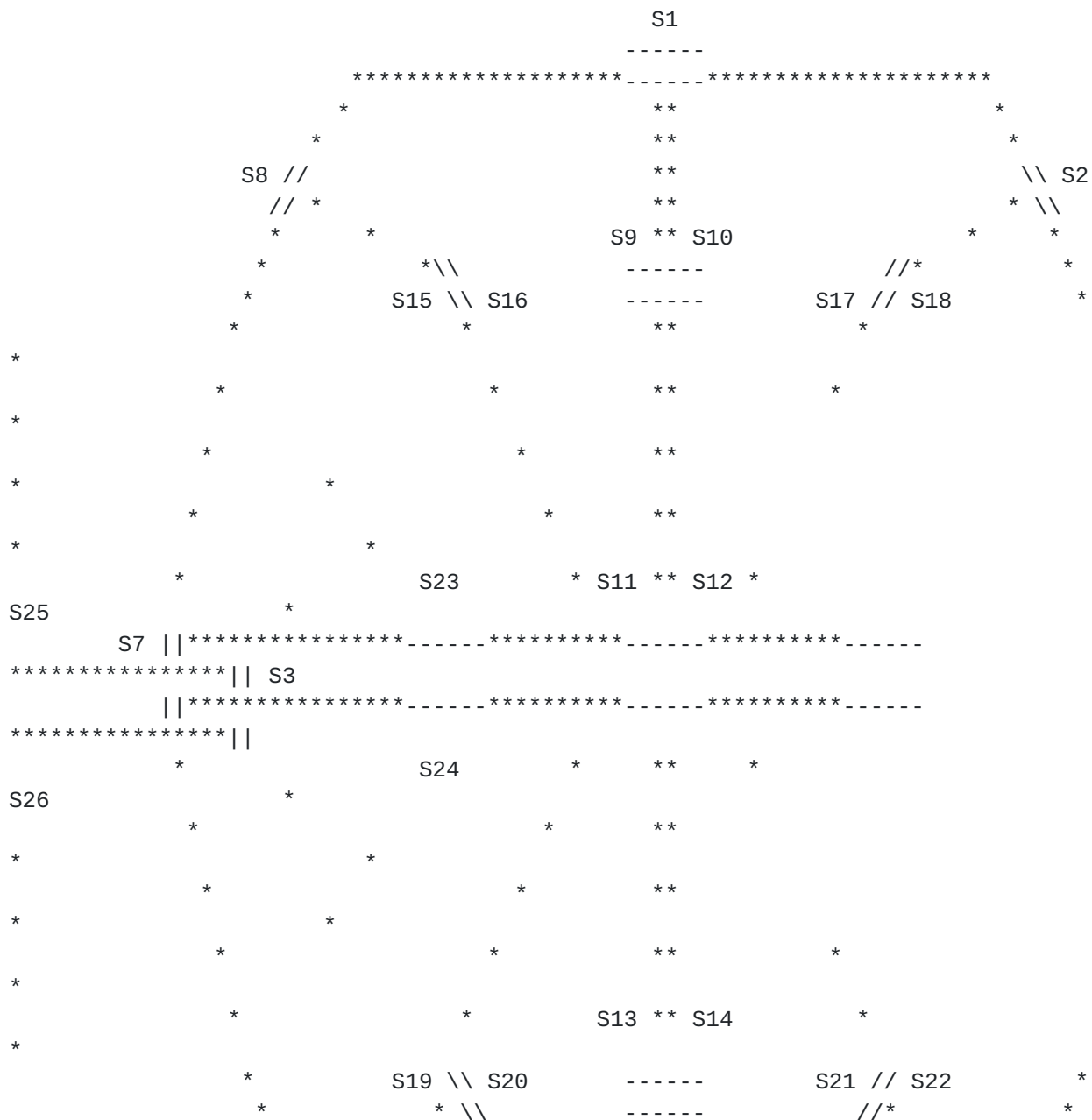
This document specifies Satellite Internet (SI).

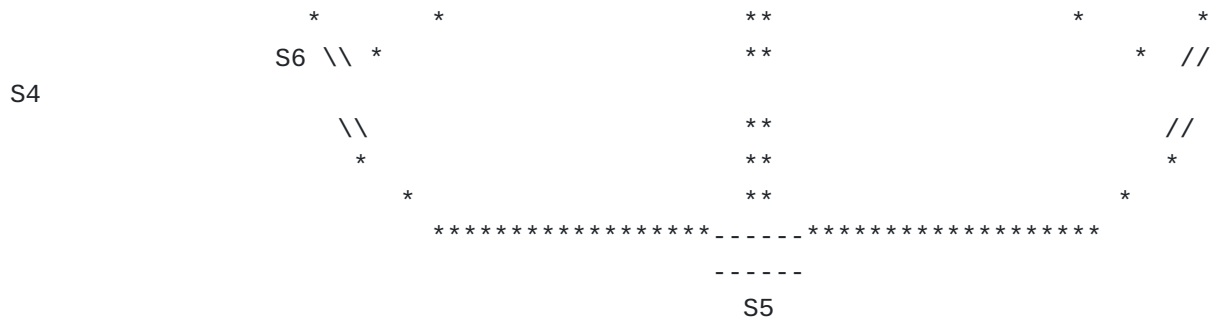
Table of Contents

1. Introduction.....	1
2. Satellite Internet (SI).....	2
3. Security Considerations.....	3
4. Acknowledgments.....	3
5. Author Address.....	3
6. References.....	3
7. Full Copyright Statement.....	3

1. Introduction

- Internet covers the solid areas of the earth, where people living in different places can have access to the Internet through different technologies (such as 802.3 Ethernet, 802.11 Wi-Fi, and mobile internet).
- When people travels overseas or in planes, they don't have access to the Internet through any available technology due to their long mobility distances.
- Satellite Internet (SI) is a new technology that will allow travelers travelling overseas or in-planes to gain access to the Internet.
- Satellite Internet (SI) with collaboration with the Global Positioning System (GPS) will allow only hosts located in seas (Longitude, Latitude, and Time in a blue area) and planes (Longitude, Latitude, altitude and Time in an area within a specified height ranges) to get access to the Internet through the SI network.
- The determination of the host position (Longitude, Latitude, Altitude, and Time) will determine whether that host will be allowed to access the Satellite Internet (SI) or not.
- Once the host is located within the seas areas or over a height range (altitude range) that is determined for the flying planes, this host will get access to the SI network and access the Internet with limited data for every host.





- Each satellite covers a specific area of the earth.
- Each satellite holds routers connected to other routers on other satellites using fiber optic cables.

Note: - Satellite coverage areas can be interfered and hosts connecting to SI has to choose the nearest satellite with has the better signal strength.

- Each satellite is connected to an earth station which is connected to the Internet core network on earth.

Security Considerations

Acknowledgments

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