

## ANNEX G

## QOS CLASS IDENTIFIER OVERVIEW

## G1 SPACE COMMUNICATION QCI DEFINITION TABLE

Table G-1 provides the QoS Class Identifier (QCI) definitions for anticipated common application data flows in the space domain.

**Table G-1: QoS Class Identifier (QCI) Definitions for the Space Domain**

| QCI | Bearer Type | Priority | Packet Delay | Packet Loss | Space Communications Domain Example   |
|-----|-------------|----------|--------------|-------------|---|
| 1   | GBR         | 2        | 100 ms       | $10^{-2}$   | Crew conversational voice   |
| 2   |             | 4        | 150 ms       | $10^{-3}$   | Crew conversational video (live streaming)  |
| 3   |             | 3        | 50 ms        | $10^{-3}$   | Telerobotics  |
| 4   |             | 5        | 300 ms       | $10^{-6}$   | Non-conversational video (buffered streaming); science data   |
| 5   | Non-GBR     | 1        | 100 ms       | $10^{-6}$   | IMS Signaling   |
| 6   |             | 6        | 300 ms       |             | Video (buffered streaming)<br>TCP-based (e.g., science data, www, e-mail, chat, ftp, p2p file sharing, progressive video, etc.) |
| 7   |             | 7        | 100 ms       | $10^{-3}$   | Voice, Video (live streaming),<br>Telerobotics  |
| 8   |             | 8        | 300 ms       | $10^{-6}$   | Vehicle-to-surface data and video<br>(buffered streaming)   |
| 9   |             | 9        |              |             |   |

## G2 STANDARDIZED QCI CHARACTERISTICS

Reference [64] provides additional QoS Class Identifier specifications and details.