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**Assessment of C-Band Mobile
Telecommunications Interference Impact on
Low Range Radar Altimeter Operations
Errata 1**

(RTCA Paper No. 201-21/PMC-2183)

Errata 1
September 16, 2021

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FOREWORD

This document was prepared by Special Committee 239 (SC-239) and approved by the RTCA Program Management Committee (PMC) on September 16, 2021.

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- analyzing and recommending solutions to the system technical issues that aviation faces as it continues to pursue increased safety, system capacity, and efficiency;
- developing consensus on the application of pertinent technology to fulfill user and provider requirements, including development of minimum operational performance standards for electronic systems and equipment that support aviation; and
- assisting in developing the appropriate technical material upon which positions for the International Civil Aviation Organization and the International Telecommunication Union and other appropriate international organizations can be based.

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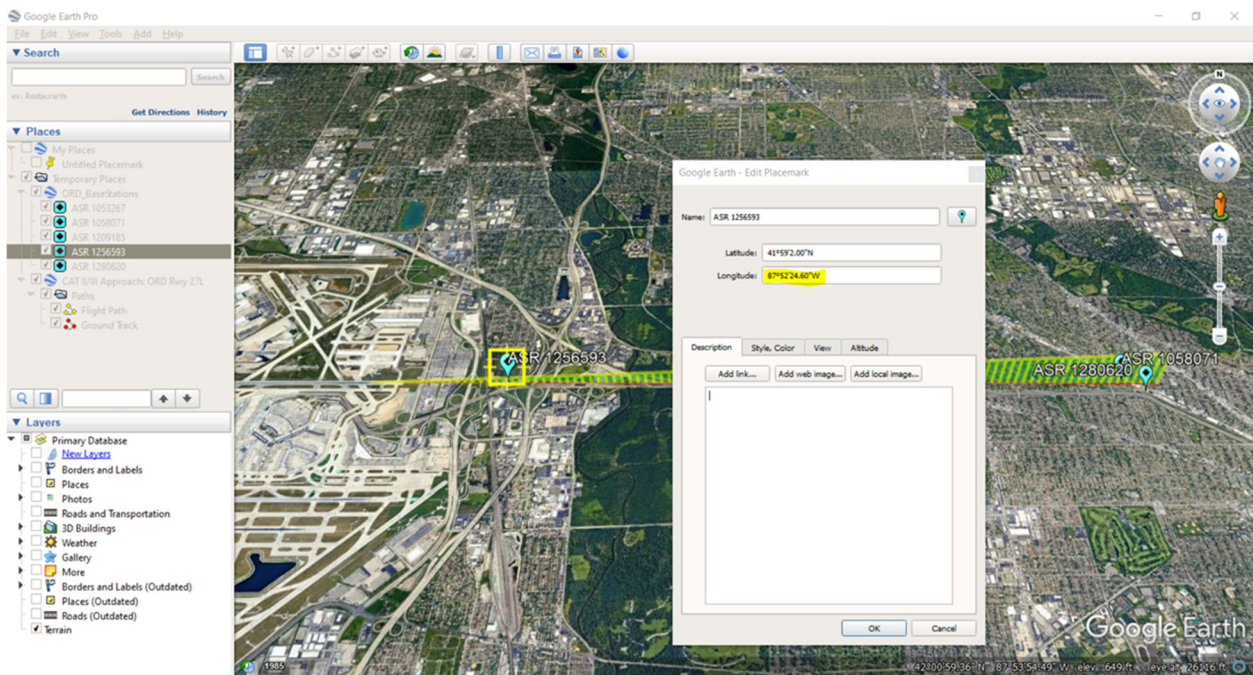
EXECUTIVE SUMMARY

This document contains the updated page to replace in the longitude listed in Table 8-2 of the Assessment of C-Band Mobile Telecommunications Interference Impact on Low Range Radar Altimeter Operations which was published by the PMC on October 7, 2020.

The longitude listed in Table 8-2 for one of the 5G base stations considered in the Instrument Approach Procedure scenario is incorrect. This error was identified by multiple parties (both internal and external to SC-239) who noticed the inconsistency between this tabulated longitude value and the location of the base station shown on the map in Figure 8-1. The correct longitude value for the base station ASR 1256593 which should be listed in Table 8-2 is **87 degrees, 52 minutes, 25 seconds West** (rounded to the nearest arcsecond).

When the error was brought to the attention of SC-239 leadership, the analysis script for this scenario (which was used to compute and plot interference levels, as presented in Sections 10.2 and D.2.2 of the report) was checked. It was confirmed that the script used the correct longitude value of 87 degrees, 52 minutes, 24.6 seconds West for this base station, and therefore none of the results or conclusions presented in the report for this scenario were impacted by the error. The error was simply a transcription error in Table 8-2.

The following Google Earth screenshot shows a confirmation of the correct longitude for this base station:



No other content was changed.

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REPLACEMENT TABLE 8-2

Please replace Table 8-2 on page 46 of the report with the following table:

Table 8-1: Instrument Approach Procedure Scenario Base Station Information

FCC Structure Registration	Latitude	Longitude	Elevation (MSL)	Height (AGL)
1053267	41° 59' 06" N	87° 49' 26" W	759 ft	103 ft
1058071	41° 59' 04" N	87° 47' 09" W	740 ft	115 ft
1209185	41° 59' 07" N	87° 50' 31" W	774 ft	134 ft
1256593	41° 59' 02" N	87° 5248' 2550" W	718 ft	78 ft
1280620	41° 58' 58" N	87° 46' 59" W	713 ft	90 ft

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