

## EXHIBIT 1

### **KU-BAND FSS EARTH STATION APPLICATION NARRATIVE (Response to FCC Form 312, Questions 36, 42b & 43, and Schedule B, Question E20)**

Pursuant to 47 C.F.R. § 25.115, MTN License Corp. (“MTN”) seeks a license to operate a new fixed satellite service (“FSS”) earth station (9 m. in diameter), which will provide Ku-band capacity for digital transmission services to customers. The proposed earth station will be located at MTN’s teleport facility in Holmdel, NJ, where MTN is licensed to operate other Ku-band FSS earth stations (*e.g.*, Call Signs E860029, E910614, E070218, and E070219).

***Public Interest Benefits.*** Grant of this application will serve the public interest by allowing deployment of a new 9 m. earth station to provide additional Ku-band capacity to support the transmission needs of customers, including government agencies, Internet service providers, television broadcasters, cable programmers, telecommunications carriers, and business television and radio operators. The provision of additional Ku-band capacity, in turn, will expand the options available to customers and enhance competition for digital transmission services.

***Earth Station Operations.*** The technical parameters of the proposed earth station are provided in the accompanying FCC Form 312, Schedule B. Specifically, the proposed earth station will communicate with U.S.- or non-U.S.-licensed satellites authorized on the FCC’s Permitted Space Station List to provide service to customers. Consistent with the frequencies allocated to FSS under Sections 2.106 and 25.202(a)(1) of the FCC’s rules,<sup>1</sup> the proposed earth station will transmit in the 14.0-14.5 GHz band and receive in the 11.7-12.2 GHz band. The proposed earth station also will meet the antenna performance mask specified in 47 C.F.R. § 25.209(a). Pursuant to 47 C.F.R. § 25.132(a)(1), MTN has reviewed the manufacturer’s radiation pattern measurements, and the test results demonstrate that the equipment meets the

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<sup>1</sup> See 47 C.F.R. §§ 2.106, 25.202(a)(1).

relevant off-axis gain standards specified in 47 C.F.R. § 25.209, measured in accordance with 47 C.F.R. § 25.132(b)(1).

***Federal Aviation Administration (“FAA”) Notification.*** The proposed 9 m. earth station antenna is exempt under 47 C.F.R. § 17.14(a) from notification to the FAA because the antenna is located in an area with structures of a permanent and substantial character that are taller than the antenna itself. The antenna is surrounded by approximately 13 existing structure that each have a height above ground level of more than 9 meters, with the tallest such structure located approximately 100 feet from the proposed antenna having a height of 70 m. above ground level. The taller structures are located within approximately 300 feet of the proposed antenna. Under these circumstances, it is evident beyond all reasonable doubt that the antenna will not adversely affect safety in air navigation.

***Denied FCC Applications.*** In 2000, the International Bureau denied certain FSS earth station applications filed by Maritime Telecommunication Network, Inc., MTN’s direct parent company, under prior ownership and control.<sup>2</sup> The applications were denied on the ground that the Commission lacked jurisdiction to license earth stations on foreign vessels.

***Conclusion.*** Based upon the foregoing, the Commission should grant this application to operate a new earth station in Holmdel, NJ, to provide additional Ku-band capacity for digital transmission services to customers. As demonstrated herein, the proposed operations will serve the public interest and will not cause any harmful interference.

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<sup>2</sup> See *Maritime Telecommunications Network, Inc.*, 15 FCC Rcd 23210 (IB 2000) (subsequent history omitted). On July 29, 2016, Global Eagle Entertainment, Inc. acquired control of MTN, pursuant to FCC approval. See IBFS File Nos. SES-T/C-20160511-00440 *et al.* (granted July 12, 2016).