

Exhibit A

Application Description and Statement Regarding Random Access Technique

This exhibit (1) provides a description of the application, (2) notes the use of various compliant models of the subject antennas, and (3) sets forth Koch's report that the new services to be added for use with this earth station will not transmit using random access techniques and that it operates within antenna input power spectral density.

Application Description

Koch Pipeline Company LP ("Koch") currently utilizes a geostationary fixed satellite service ("FSS") Ku-band satellite to support duplex data communications networking, known as supervisory control and data acquisition ("SCADA"), of pipeline assets in the United States through the use of hub and remote VSAT earth stations and associated networking equipment. Koch is upgrading the current VSAT network to use the SkyEdge II platform supplied by Spacenet Inc. ("Spacenet"). Pursuant to this application, Koch seeks to modify the existing fixed earth station authorization call sign E900556 for 1.2 meter and 1.8 meter Ku-band Prodelin¹ VSAT antennas to provided authorization to:

- 1) Add new SkyEdge II transmission parameters
- 2) Increase the currently authorized earth station EIRP and EIRP spectral density
- 3) Add new 1.2 meter SkyWare Global² Ku-band antennas
- 4) Add Spacenet hub earth stations as remote control points

New Transmission Parameters, EIRP and EIRP Spectral Density

In this modification application Koch is seeking to add new transmission parameters and increase the EIRP and EIRP spectral density associated with the new SkyEdge II VSAT network implementation. These modifications will enable Koch to increase data rates supported in the VSAT network and to take advantage of the latest VSAT network technology. This application seeks to increase the antenna input power to 3-watts for the wider bandwidth SkyEdge II network transmissions. All transmission

¹ Prodelin is now known as General Dynamics SATCOM Technologies.

² The SkyWare Global entity that manufactures VSAT antennas has formerly been known as Channel Master, Andrew, ASC Signal and Raven.

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parameters, EIRP and EIRP spectral density requested herein conform to Federal Communication Commission ("FCC") regulations.

Addition of 1.2 meter SkyWare Global Antenna

In this modification application Koch is seeking to add the SkyWare Global 1.2 meter Ku-band antenna as an authorized earth station for use in the Koch VSAT network. The SkyWare Global 1.2 meter antenna conforms to FCC antenna performance standards within 47 C.F.R. § 25.209. The SkyWare Global 1.2 meter antenna is used extensively in the United States in FSS Ku-band VSAT networks by Spacenet under call sign E990294 and other VSAT network licensees. Technical data presented in previous applications for call sign E990294 are incorporated herein by reference and made a part hereof. This application identifies the 1.2 meter SkyWare Global antenna with site ID "REMOTE 2" and Antenna ID "REMT2".

Addition of Spacenet Hub Earth Stations as Remote Control Points

On occasion Koch may have a need to operate the remote VSAT terminals from Spacenet licensed earth station facilities. Therefore, Koch is seeking to add Spacenet VSAT network hub earth stations as remote control points. These Spacenet hub earth stations are in addition to the existing Koch 5.5 meter hub earth station located in Wichita, Kansas, which is currently authorized under call sign E900554. Spacenet's existing VSAT hub earth stations are located in Chicago, Illinois and Marietta, Georgia and are licensed under FCC call signs listed below:

- 1) Spacenet Chicago, Illinois call sign E4412
- 2) Spacenet Marietta, Georgia call signs E000576, E860013 and E990448

All existing and requested new authorizations conform to FCC regulations. Technical data presented in previous applications for call sign E900556 are incorporated herein by reference and made a part hereof. Koch wishes to retain all current authorizations previously granted for this earth station authorization.

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Planned use of Compatible Antenna Models

Out of an abundance of caution Koch desires to note for the record in this application Koch's intent to utilize various models of the Prodelin 1.2 and 1.8 meter and SkyWare Global 1.2 meter Ku-band antennas available from these manufacturers. From time-to-time Koch may acquire the assets of other pipelines and their associated SCADA earth station terminals. Koch desires to bring these terminals into use in its Ku-band VSAT network as well as use the above stated Ku-band antennas, of various models available from these manufactures for the stated sizes, in new installations. All of the subject antennas and models used by Koch will be compliant with the FCC regulations, specifically 47 C.F.R. § 25.209 and utilize transmission parameters authorized in this authorization.

Random Access Technique and Maximum Power Spectral Density

As required by 47 C.F.R. § 25.130 (a)(3) & (4) and 47 C.F.R. § 25.134 (g)(1), we report that the SkyEdge II transmission parameters Koch is requesting to add to this earth station authorization will not employ transmissions utilizing random access techniques. Rather, all SkyEdge II transmissions will be frequency division multiple access ("FDMA") using a reservation access scheme. Further, all antenna input power spectral density transmission values requested herein are at or below the -14 dBW/4kHz limit.

Application Summary

A grant of this application will serve the public interest by enabling Koch to upgrade its VSAT network technology at the remote VSAT earth station locations in the United States to support advanced SCADA applications using FSS Ku-band geostationary satellites.