



Neul Inc
440 North Wolfe Road
Sunnyvale
California
94085
Tel: 650 384 3662

www.neul.com

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Ref: request for expedited service for STA confirmation number EL539144, file number 0355-EX-ST-2013

Dear Sir/Madam

I would like to request expedited service for an STA application listed above. The purpose of the STA is to allow the testing of a white space radio system Colorado. The testing is to occur in the high mountains above 8000ft. At this altitude the weather plays a huge part in determining when testing can happen. There is currently a break in the weather which will allow testing of the system over the next few days. If we miss this slot there is likely to be a long delay before it is practical to get back into the mountains for testing.

The customer has a working oil and gas field at the location where the testing will occur. All oil field are potentially hazardous environments, both for people and for the environment and wildlife. The operator of the field takes the public safety, safety for their workers, and their environmental protection obligations extremely seriously. They are looking to enhance safety systems and their operational efficiency by improving communications around the oilfield.

This is a challenging task because in mountainous terrain it is often very difficult to achieve line of sight between the radio transmitter and a receiver. Conventional unlicensed wireless systems, operating in at relatively high frequencies, struggle to make reliable connections in these circumstances. This makes it difficult or impossible to set up some connections that could potentially improve operational efficiency and safety on site.

White space radio devices have the potential to solve this problem because the UHF band signals they use travel a long way, even when there is no line of sight. They have the potential enhance communications in all oilfields, particularly in difficult areas such as the mountains of Colorado.

Improved communications will help to increase the operational efficiency oilfields, producing more domestic oil and gas. This will reduce dependency on potentially risky oil and gas imports, enhancing US national security. Improved communications will also allow for enhancements to safety systems, reducing the possibility of injuries to people and damage to the environment.

I would respectfully request that you consider expediting the STA to permit testing of the system while the weather in the mountains allows it.

Yours sincerely,

Luke D'Arcy, VP Neul US