

Behnam Ghaffari

From: Joshua Wurman <jwurman@cswr.org>
Sent: Wednesday, July 25, 2018 4:44 PM
To: Behnam Ghaffari
Subject: question concerning 0588-EX-CN-2018

Dear Behnam Ghaffari:

Your questions are answered below:
(Is this e-mail an acceptable way to respond?)

Please explain for use of a 60-month experimental license as opposed to a 24-month experimental license.

CSWR conducts frequent field projects requiring use of these frequencies for communications. These have been ongoing for 20 years and are expected to continue.

Many of these activities are in support of Cooperative Agreement grants from NSF, the most recent of which is NSF-1361237. This particular CA is expected to be renewed for 60 months starting in 2019.

Additionally, CSWR supports "short-fuse" field deployments to high impact weather events. These are activated on short notice and there is no time to request frequency authorizations. A recent example of these is the the CSWR deployment to Hurricanes Harvey in Texas and Irma in Florida, including ferrying/logistics activities between CO and the target areas. These were supported by a short-fuse NSF RAPID grant, NSF-1759461.

While we could renew our license every 24 months, our last license, 0052-EX-ML-2013, was for 60 months. Our current application is for exactly the same "antennas" and frequencies. (We inadvertently let 0052-EX-ML-2013 expire and used it as a template for the current application.

Additionally, justify your request for a nationwide experimental license.

We operate all across the USA, and have operated in the past in all 50 states. The states in which we operate are determined, in part, by unpredictable weather, and cannot be known with enough lead time to apply for geographically specific licenses. Our most recent projects during the past year have required activities in CO, NE, KS, MO, IA, KY, TN, NC, SC, GA, FL, AL, MS, AL, TX, UT, NV, CA, IL, IN, OH, NY, AR, AZ, NM. Projects planned in the next year include operations in, additionally, ME, NH, MA, RI, ND, SD, MT, MN, NM. Other projects, not known at this time, are likely to involve operations in other states.

--Josh Wurman
CSWR