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To:
 International Asteroid Warning Network
 Dr. Lindley N. Johnson
 Planetary Defense Office
 NASA Headquarters Washington, DC 20546
 USA

Darmstadt, 18 March 2016

Subject: Capabilities of ESA which contribute to the IAWN

Visa: R.Densing, Director of Operations *LM 22.3*

On behalf of ESA's Space Situational Awareness Programme (also referred to as "ESA" below), I am pleased to inform you about our intention to participate in the International Asteroid Warning Network. The Space Situational Awareness Programme is in a position to act consistent with the terms as laid out in the IAWN Statement of Intent, dated 9-Mar-2014, in line with the elements laid out in the following table in support of IAWN. A signed version of the Statement of Intent is also attached.

Facility	Location	Contributions
NEO Coordination Centre	Frascati, Italy	<ul style="list-style-type: none"> - Coordination of observational activities in Europe and beyond - Preparation of observations performed with own and other telescopes, including the ESO VLT - Expert analyses of orbits, impact probabilities
SSA-NEO technical web portal	Frascati, Italy	<ul style="list-style-type: none"> - Presentation of data obtained from the NEODYs system - Priority List giving a list of NEOs in need of observation - Planning and visualisation tools
Optical Ground Station (1-m aperture, 1 deg FoV diagonal), IAU code Jo4	Tenerife	<ul style="list-style-type: none"> - NEO follow-up observations, typically 4-6 nights per month
Test-Bed Telescope (56 cm aperture, 2.5 deg FoV diagonal)	Cebreros, Spain	<ul style="list-style-type: none"> - NEO follow-up, possibly survey
Collaborative telescopes	Various	<ul style="list-style-type: none"> - NEO follow-up observations with different nationally-owned telescopes. At the time of writing of this list, we sponsor the Klet observatory (Czech Republic) and the 80 cm Schmidt telescope on Calar Alto.
Interfaces to emergency response agencies		<ul style="list-style-type: none"> - ESA is setting up a formal interface to national emergency response agencies which can be used to distribute information on asteroid impact threats.

Nicolas Bobrinsky
 SSA Programme Manager

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 18.3.2016

European Space Agency
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