



Raytheon and Hanwha Systems partner to upgrade Identification Friend or Foe systems

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Companies will deliver the new Mode 5 version for Korean military

ABERDEEN, Md., Sept. 10, 2019 /PRNewswire/ -- Raytheon Company (NYSE: RTN) and Hanwha Systems signed a technical cooperation agreement to produce Identification Friend or Foe Mode 5 systems for the Korean military.



Mode 5 IFF systems allow operators to positively identify friendly aircraft using a secure, encrypted code, reducing the potential for fratricide and increasing situational awareness.

"Our Mode 5 IFF solutions help lift the fog of combat," said Barbara Borgonovi, vice president of Raytheon Integrated Communication Systems. "Cluttered airspace, crowded battlefields and uncertain seas characterize today's operational environment. We are providing the latest technology that gives coalition forces the ability to distinguish between friend and foe with absolute certainty in the midst of these challenging conditions."

Under the agreement, Raytheon will provide its IFF technology and industry leading expertise while Hanwha Systems will oversee domestic production.

To reduce the risk of "friendly" fire incidents and to enhance system security, coalition nations are moving to a new version of IFF called Mode 5. The new technology extends the range of Mode 4 and upgrades the signaling waveforms, making communications faster and more secure. Mode 4 – in service since the 1960s – uses signals similar to Morse code, while Mode 5's sophisticated modulation techniques will change its codes every few seconds to ensure rapid identification.

For more than 70 years, Raytheon has been a leader in Identification Friend or Foe systems. Together with its global partners, Raytheon has delivered, installed and maintained more than 130,000 IFF systems on over 120 different types aircraft, ships and land vehicles across the world

About Raytheon

Raytheon Company, with 2018 sales of \$27 billion and 67,000 employees, is a technology and innovation leader specializing in defense, civil government and cybersecurity solutions. With a history of innovation spanning 97 years, Raytheon provides state-of-the-art electronics, mission systems integration, C5I[®] products and services, sensing, effects, and mission support for customers in more than 80 countries. [Raytheon](#) is headquartered in Waltham, Mass. Follow us on [Twitter](#).

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