RADAR IS AT THE HEART OF AIR TRAFFIC CONTROL, HOMELAND DEFENSE, WEATHER PREDICTION AND NATIONAL SECURITY. THERE ARE MORE THAN 600 RADAR SYSTEMS ACROSS THE U.S., INCLUDING ALASKA AND HAWAII, CANADA AND THE CARIBBEAN THAT DETECT VITAL INFORMATION FOR THESE CRITICAL ENTITIES. MANY OF THESE RADAR SYSTEMS ARE AGING, SOME DATE BACK TO THE SEVENTIES, AND ARE IN NEED OF REPLACEMENT.

THE FEDERAL AVIATION ADMINISTRATION, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, DEPARTMENT OF DEFENSE AND DEPARTMENT OF HOMELAND SECURITY ARE WORKING TO DECREASE THE NUMBER AND TYPES OF RADAR SYSTEMS AND REPLACE THEM WITH ONE ADVANCED, HIGHLY SOPHISTICATED MULTI-PURPOSE RADAR. THIS RADAR PROGRAM IS KNOWN AS SPECTRUM EFFICIENT NATIONAL SURVEILLANCE RADAR AND WILL PROVIDE AIR TRAFFIC CONTROL, AIR DEFENSE AND AIR SURVEILLANCE, BORDER AND CRITICAL INFRASTRUCTURE PROTECTION AND WEATHER FORECASTING PREDICTION.

WHAT IS SENSR?

THE SENSR PROGRAM WILL CONSOLIDATE LEGACY SURVEILLANCE RADARS INTO ONE INTEGRATED SYSTEM. SENSR WILL REPLACE EXISTING RADAR SYSTEMS USING PROCEEDS FROM THE AUCTION OF GOVERNMENT-OWNED, LOW FREQUENCY SPECTRUM.

SENSR WILL ENABLE IMPROVED OPERATIONS RANGING FROM SUPERIOR THREAT DETECTION AND WEATHER FORECASTING TO SAFER, MORE EFFICIENT AIR TRAVEL. NOAA WILL ACQUIRE MORE ACCURATE AND TIMELIER WEATHER PREDICTIONS WITH EARLIER ALERT TIME FOR HAZARDOUS WEATHER CONDITIONS. DHS WILL GAIN BETTER INSIGHTS FOR UNMANNED AIRCRAFT AND AIRSPACE SECURITY OPERATIONS TO PROVIDE BETTER RESPONSE ACTIONS FOR SUSPICIOUS AIRBORNE AND MARITIME ACTIVITY IMPACTING OUR NATION’S BORDERS.

SENSR'S IMPACT

THE RADAR WILL IMPROVE THE FAA’S AIR TRAFFIC MANAGEMENT, IMPROVE SAFETY AND SUBSTANTIALLY LOWER THE COST OF SUSTAINMENT ACROSS THE AVIATION ECOSYSTEM. DOD WILL BE ABLE TO MORE EFFECTIVELY MONITOR AND IMPLEMENT HOMELAND DEFENSE, CIVIL SUPPORT AND SECURITY COOPERATION TO DEFEND AND SECURE THE UNITED STATES.

SENSR TODAY

The Raytheon Company, BBN Technologies Corporation and the MITRE Corporation are proud and committed supporters of the SENSR program. Raytheon, BBN Technologies and MITRE’s joint effort will bring about a more efficient, cost effective, secure and reliable National Surveillance Radar System.

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