

Electronic Communications A System Approach

Electronic health record These records can be shared across different health care settings. An electronic health record (EHR) is the systematized collection of electronically stored patient and population health information in a digital format An electronic health record (EHR) is the systematized collection of electronically stored patient and population health information in a digital format. Records are shared through network-connected, enterprise-wide information systems or other information networks and exchanges. EHRs may include a range of data, including demographics, medical history, medication and allergies, immunization status, laboratory test results, radiology images, vital signs, personal statistics like age and weight, and billing information ea061af980

NTCIP has been around for over 20 years, but is increasingly in use in smart city initiatives and by suppliers of technology. For example, riders who want to know where the next bus will arrive at their stop are using apps that use NTCIP, such as in the Siemens initiatives in Seattle and elsewhere. In the future, NTCIP will be used for two way communication between vehicles and traffic signals, such as the ability for buses to control traffic lights as done by SinWaves. ea061af980

National Transportation Communications for Intelligent Transportation System Protocol The National Transportation Communications for Intelligent Transportation System Protocol (NTCIP) is a family of standards designed to achieve interoperability The National Transportation Communications for Intelligent Transportation System Protocol (NTCIP) is a family of standards designed to achieve interoperability and interchangeability between computers and electronic traffic control equipment from different manufacturers ea061af980

Instrument approach The ICAO defines an instrument approach as "a series of predetermined maneuvers by reference to flight instruments with specific protection from obstacles from the initial approach fix, or where applicable, from the beginning of a defined arrival route to a point from which a landing can be completed. These approaches are approved in the European Union by EASA and the respective country authorities, and in the United States by the FAA or the United States Department of Defense for the military. In aviation, an instrument approach or instrument approach procedure (IAP) is a series of predetermined maneuvers for the orderly transfer of an aircraft In aviation, an instrument approach or instrument approach procedure (IAP) is a series of predetermined maneuvers for the orderly transfer of an aircraft operating under instrument flight rules from the beginning of the initial approach to a landing, or to a point from which a landing may be made visually ea061af980

Electronic warfare The purpose of electromagnetic warfare is to deny the opponent the advantage of—and ensure friendly unimpeded access to—the EM spectrum. Electromagnetic warfare can be applied from air, sea, land, or space by crewed and uncrewed systems, and can target communication, radar, or other military and civilian assets.). Cognitive Electronic Warfare System". In Liang, Qilian; Liu, Xin; Na, Zhenyu; Wang, Wei; Mu, Jiasong; Zhang, Baoju (eds. Communications, Signal Processing Electromagnetic warfare or electronic warfare (EW) is warfare involving the use of the electromagnetic spectrum (EM spectrum) or directed energy to control the spectrum, attack an enemy, or impede enemy operations ea061af980

DIT School of Electronic and Communications Engineering School of Electronic and Communications Engineering (SECE) at the Dublin Institute of Technology (DIT) is one of the oldest schools of communications and electronic The School of Electronic and Communications Engineering (SECE) at the Dublin Institute of Technology (DIT) is one of the oldest schools of communications and electronic engineering in Ireland, with the first courses in wireless telegraphy inaugurated in 1911 ea061af980

Electronic Systems Center Two of ESC's most well-known developments were the Boeing E-3 Sentry Airborne Warning and Control System (AWACS), developed in the 1970s, and the Joint Surveillance Target Attack Radar System (Joint STARS), developed in the 1980s. The teams supervised the design, development, testing, production, and deployment of command and control systems. Its mission was to develop and acquire command and control, communications, computer, and intelligence systems. Its mission The Electronic Systems Center was a product center of Air Force Materiel Command (AFMC) headquartered at Hanscom Air Force Base, Massachusetts. ESC consisted of professional teams specializing in engineering, computer science, and business management. The Electronic Systems Center was a product center of Air Force Materiel Command (AFMC) headquartered at Hanscom Air Force Base, Massachusetts ea061af980

Electronic counter-countermeasure ECCM is also known as electronic protective measures (EPM), chiefly in Europe. A more detailed description defines it as the electronic warfare operations taken by a radar to offset the enemy's countermeasure. In practice, EPM often means resistance to jamming. This system, together with advanced microelectronics, also provided secure voice, data, and text communications under the most severe electronic warfare Electronic counter-countermeasures (ECCM) is a part of electronic warfare which includes a variety of practices which attempt to reduce or eliminate the effect of electronic countermeasures (ECM) on electronic sensors aboard vehicles, ships and aircraft and weapons such as missiles ea061af980

Electronic communication network traditional stock exchanges. An ECN is generally an electronic system accessed by an electronic trading platform that widely disseminates orders entered An electronic communication network (ECN) is a type of computerized forum or network that facilitates the trading of financial products outside traditional stock exchanges. An ECN is generally an electronic system accessed by an electronic trading platform

that widely disseminates orders entered by market makers to third parties and permits the orders to be executed against them in whole or in part. The primary products that are traded on ECNs are stocks and currencies. ECNs are generally passive computer-driven networks that internally match limit orders and charge a very small per share transaction fee (often a fraction of a cent per share) ea061af980

Emergency communication system Contrary to emergency notification systems, which generally deliver emergency information in one direction, emergency communication systems are typically capable of both initiating and receiving information between multiple parties. LED electronic signs have multiple valuable attributes that enhance public communications: Some emergency An emergency communication system (ECS) is any system (typically computer-based) that is organized for the primary purpose of supporting one-way and two-way communication of emergency information between both individuals and groups of individuals. inclusion of a visual alternative to audio PA systems. These systems are commonly designed to convey information over multiple types of devices, from signal lights to text messaging to live, streaming video, forming a unified communication system intended to optimize communications during emergencies. These systems are often made up of both input devices, sensors, and output/communication ea061af980

Other courses in Radio Communications were established prior to 1918 and were directed primarily at the requirements of Marine and Aircraft Radio Officers. In the late 1930s professional and more broadly based courses in Electronics and Radio Engineering were established. These professional courses prepared students for external examinations conducted by the British Institution of Radio Engineers (Brit IRE), which was renamed the Institution of Electronic and Radio Engineers (IERE) and finally merged in the 1980s with the Institution of... ea061af980

Electronic Communications Convention Convention on the Use of Electronic Communications in International Contracts (the "Electronic Communications Convention", ECC or e-cc) is a treaty that aims The United Nations Convention on the Use of Electronic Communications in International Contracts (the "Electronic Communications Convention", ECC or e-cc) is a treaty that aims at facilitating the use of electronic communications in international trade. It was prepared by the United Nations Commission on International Trade Law (UNCITRAL) and adopted by the United Nations General Assembly on 23 November 2005. Pursuant to Article 23, it entered into force on 1 March 2013, the first day of the month after six months passed following adoption by three States parties, namely the Dominican Republic, Honduras, and Singapore ea061af980

The protocol is the product of a joint standardization... ea061af980 The Electronic Systems Center served into five decades as the Air Force's organization for... ea061af980 For several decades, EHRs have been touted as key to increasing quality of care. EHR combines all patients' demographics into a large pool, which assists providers in the creation of "new treatments or innovation... ea061af980 The first ECN, Instinet, was created in 1969. ECNs increase competition among trading firms by lowering transaction costs, giving clients full access... ea061af980

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