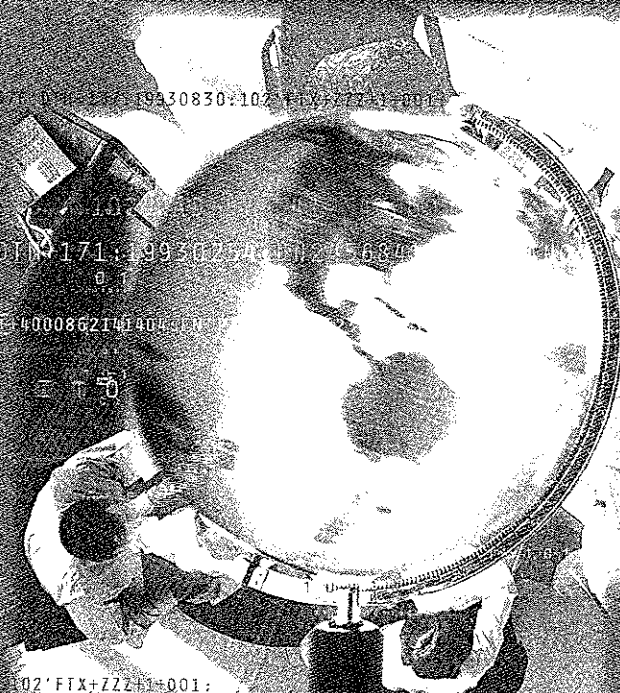


EAN[®]
INTERNATIONAL

Annual Report

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THE GLOBAL LANGUAGE OF BUSINESS



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GLOBAL OPEN STANDARDS BENEFIT ALL USERS

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THE EAN•UCC SYSTEM IS A SET OF STANDARDS ENABLING THE EFFICIENT MANAGEMENT OF GLOBAL, MULTI-INDUSTRY SUPPLY CHAINS BY UNIQUELY IDENTIFYING PRODUCTS, SHIPPING UNITS, ASSETS, LOCATIONS, AND SERVICES.

IT FACILITATES ELECTRONIC COMMERCE PROCESSES INCLUDING FULL TRACKING AND TRACEABILITY.

THE GOAL OF EAN INTERNATIONAL IS TO IMPROVE SUPPLY CHAIN MANAGEMENT AND OTHER BUSINESS TRANSACTIONS THAT REDUCE COSTS OR ADD VALUE FOR BOTH GOODS AND SERVICES.

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[EAN INTERNATIONAL]

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+THE GLOBAL LANGUAGE OF BUSINESS

The mission of EAN International and the Numbering Organisations, is to take a leading role in establishing a global multi-industry system of identification and communication for products, services and locations based on internationally accepted and business led standards.

The objective is to improve the efficiency of integrated logistics while contributing added value to partners involved, as well as to consumers.

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ALL INCLUSIVE - BUSINESS

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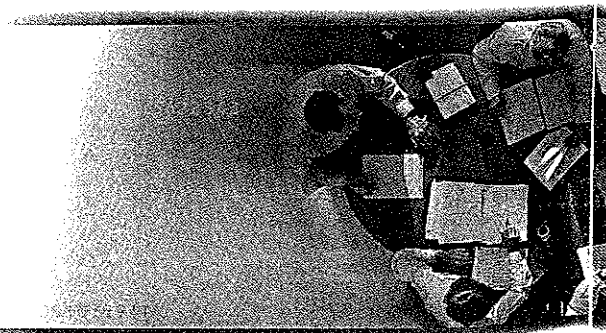


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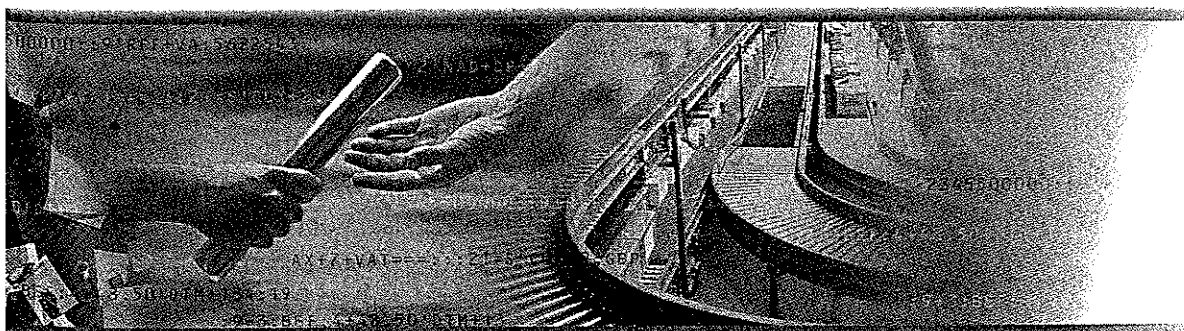
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EAN•UCC:

THE GLOBAL
LANGUAGE
OF BUSINESS

+ NEW EFFICIENCIES
THROUGH COMBINED POWERS
OF STANDARDISATION
AND ELECTRONIC COMMERCE

IN MANY INDUSTRIES, THE GLOBAL MARKETPLACE IS ALREADY A REALITY. FOR BUSINESSES, THIS MEANS FACING GLOBAL DEMANDS, NEW TECHNOLOGIES AND COPING WITH COMPETITORS FROM AROUND THE WORLD.

IN THIS NEW GLOBAL MARKETPLACE, ONLY THOSE COMPANIES THAT UNDERSTAND HOW TECHNOLOGY IS SHAPING BUSINESS WILL SUCCEED. LONG-TERM COMPETITIVE ADVANTAGE CAN BE ACHIEVED BY TAKING ADVANTAGE OF THE CHANGES.

EAN INTERNATIONAL HELPS CREATE EFFICIENCIES BY STANDARDISING BUSINESS PROCESSES THROUGH ELECTRONIC COMMERCE. WITH THE EAN•UCC SYSTEM, BUSINESSES ARE ABLE TO UNAMBIGUOUSLY COMMUNICATE WITH ALL PARTNERS IN THE SUPPLY CHAIN. THIS ENABLES THE TRANSMISSION OF INFORMATION WITH ANY COMPANY, IN ANY INDUSTRY, ANYWHERE AROUND THE GLOBE.



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001:102'TDT+20++30+31'TOD+3++CIF'LIN+1++4009852141404:EN'PIA+1+ABC1234,BP'IMD+C++TU:

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+USER DRIVEN, VALUE-ADDED SOLUTIONS FOR A GLOBAL MARKETPLACE

Since the world is working ever-closer together, businesses have to adapt in many ways. Rapid evolution of roles within the value chain, shifting demand patterns, new channels of distribution, and increased service expectations from customers raise the need for improved business solutions.

Efficient supply chain management and value-added business transactions play a critical role in meeting these new requirements, for both private and public organisations. New and innovative ways to transport data, identify products, and trade efficiently are urgently needed.

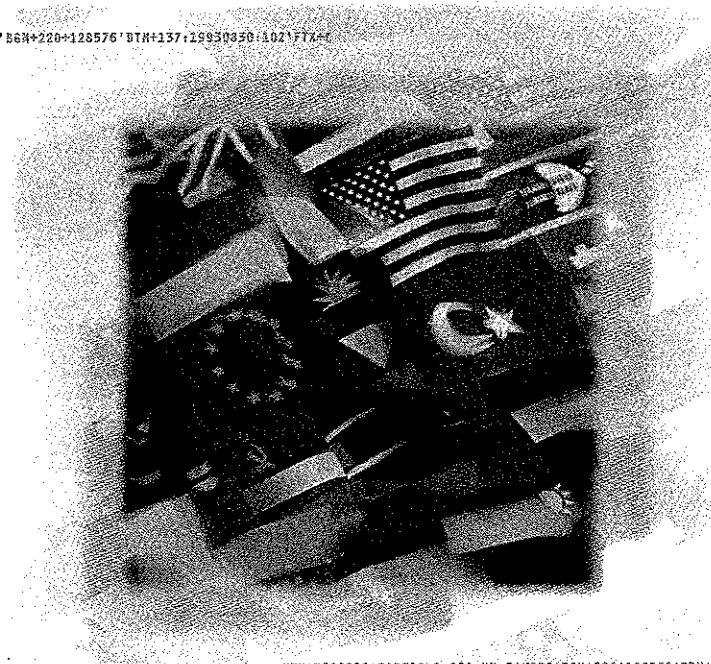
To be ready for the next millennium, effective and efficient business communications will be essential. Every company has numerous partners in the supply chain with which to efficiently communicate. To accomplish this goal, they all have to speak the same unambiguous language of business. EAN International, with organisations in over 90 countries, along with its partner organisation, the Uniform Code Council (UCC) in the United States and Canada, reaches more than 800,000 member companies worldwide that all communicate via the

same language. EAN•UCC: The Global Language of Business. This language is understood all over the world. It forms the basis for a truly effective communications system.

EAN•UCC solutions for global supply chain management offer comprehensive communications tools. Product and logistics identification provides a standard way to identify, track, and trace products, services, and locations, and facilitates electronic commerce. This increases accuracy, accelerates processing speeds, and leads to reductions in stock and lead times. For user companies, it translates into added value, increased customer satisfaction and significant cost reductions.

EAN International and the UCC are driving their vision of "one system for the global marketplace" through leadership, innovation, technological support, and the establishment of multi-industry standards for logistical supply and administrative processes. Continuous research and development with a market-focused view ensure efficient, effective and innovative solutions for all emerging business needs.

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+ THE FUTURE OF EFFICIENT SUPPLY CHAIN MANAGEMENT

Future success depends on the ability to deliver consistently high quality service. To this end, EAN•UCC bodies are continuously adding to their pool of skills to enhance and strengthen their service delivery. Today, over 1,500 dedicated executives around the world continue to build on the success of the organisation and to expand EAN•UCC's global multi-industry reach.

The body determining EAN International's strategy for the future is the Management Board. This executive body of EAN International is responsible for implementing the operational plan, the budget and for approving changes to the EAN•UCC standards. Its members are senior executives from a wide range of industries and national EAN organisations. This close involvement of users from global players, as well as national companies, ensures the viability of EAN's user-driven approach.

+ THE MEMBERS OF THE EAN INTERNATIONAL MANAGEMENT BOARD:

J. BERRY	<i>President</i> EAN International
T. HUSSEINI	<i>Director</i> CASINO, France
P. BOOST	<i>Managing Director</i> PHILIPS, Netherlands
J. CAMPLIK	<i>Chairman</i> NESTLE, Czech Republic
R. FAHLIN	<i>President</i> ICA HANDLARNAS, Sweden
L.A. FINOL	<i>President</i> CASA PARIS, Venezuela
R. FLOREZ	<i>General Director</i> IAC, Colombia
R. HERZFELD	<i>Director</i> PICK N'PAY STORES, South Africa
J. MAHIEU	<i>Company Secretary</i> TABACOFINA, Belgium
G. RUINI	<i>Managing Director Europe</i> BOMI, Italy
S.A. RUSTUM	<i>Secretary General</i> EAN LEBANON
M. SATO	<i>General Director</i> DISTRIBUTION CODE CENTER, Japan
J. SEIDLER	<i>Director International Marketing</i> HENKEL KGaA, Germany
T.K. YIN	<i>CEO</i> FEDERATION OF MALAYSIAN MANUFACTURERS
L.A. WILSON	<i>Chairman</i> ARNOTTS, Australia

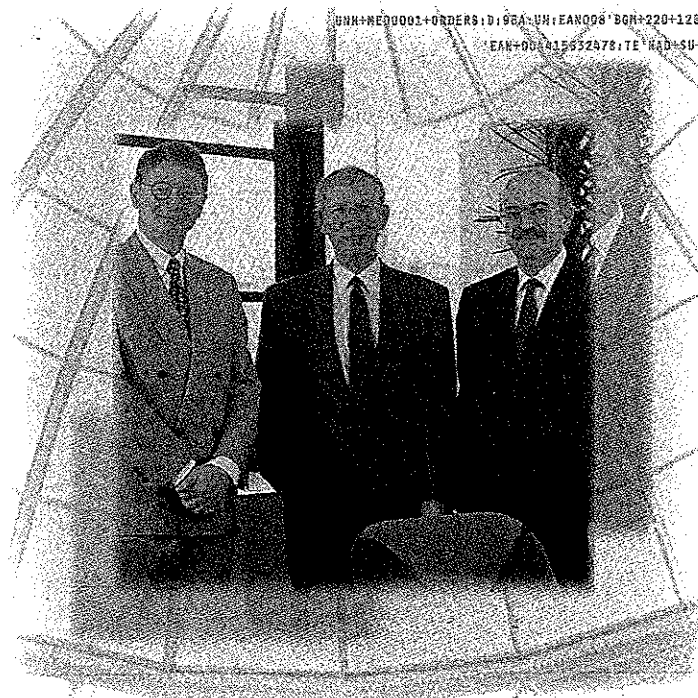
+ONE SYSTEM FOR THE GLOBAL MARKETPLACE

More and more countries are appreciating the benefits of EAN•UCC's solutions for their economy. This results not just in increased company membership, but also in increasing numbers of participating countries. In 1998/99, eight countries became new members of EAN International: Costa Rica, El Salvador, Guatemala, Nicaragua, North Korea, Panama, Syria, and Uzbekistan.

While the rapid growth of the EAN•UCC system is impressive, along with its capacity to significantly improve

supply chain management, it is not the most celebrated accomplishment. The most remarkable feat is the fact that a large number of trade and industry sectors have agreed on a unique and uniform international coding and communication system. Never before has this been accomplished. We must cherish this stable and well-balanced set of rules and pursue it for a successful future!

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From left to right:

Reinhold van Lennep, Managing Director of EAN International

John Berry, President of EAN International

Taba Hussein, Vice President of EAN International and Director of Information Systems, Casino, France

EAN INTERNATIONAL

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ALL-INCLUSIVE- BUSINESS SOLUTIONS FOR A GLOBAL MARKETPLACE

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AS A TRUE MULTI-INDUSTRY SYSTEM, EAN INTERNATIONAL OFFERS BUSINESS SOLUTIONS TO INDUSTRIES WORLDWIDE. FOR COMPANIES, ADOPTING AND INTEGRATING EAN•UCC IDENTIFICATION AND BUSINESS COMMUNICATIONS STANDARDS LEADS TO TOTAL VISIBILITY OF GOODS AND SERVICES IN LOGISTICS, SUPPLY, AND ADMINISTRATIVE PROCESSES. THIS INCLUDES ALL PARTS OF THE SUPPLY CHAIN: RAW MATERIALS, MANUFACTURING, WHOLESALE, DISTRIBUTION, RETAILING AND END CONSUMERS WORLDWIDE.

CURRENTLY, COMPANIES FROM A WIDE RANGE OF INDUSTRIES BENEFIT FROM THE EAN•UCC SYSTEM, INCLUDING RETAIL, HEALTHCARE, PACKAGING, TRANSPORT, PUBLIC PROCUREMENT AND DEFENCE, BOVINE, SERVICES, COMPUTERS, AND APPAREL MANUFACTURERS.

GLOBAL MARKET DEVELOPMENT ACTIVITY AIMS AT INCREASING THE BENEFITS FOR POTENTIAL AND CURRENT USERS ALIKE. EVERY NEW USER COMPANY MAKES THE STANDARDS MORE VALUABLE TO THE OTHER USERS BY EXPANDING THE ACCEPTANCE AND USAGE OF EAN•UCC STANDARDS AROUND THE GLOBE.

+ GLOBAL ACTIVITIES

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• BUSINESS PROCESS MODELLING

A joint EAN•UCC committee, the Global Business Modelling Committee (GBM) has been formed to develop and maintain generic business models. Business Modelling reduces the complexity of real world business operations through the development of process and data models.

These baseline models highlight practices that are common across many industry sectors. They are used to develop tailor-made industry applications of the EAN•UCC standards, taking into account various

needs without losing the "big picture".

This provides common reference architecture for the process of open trade, and uses it as a platform for the evaluation and illustration of EAN•UCC standards. These core business processes measure the fit of the standards relative to the processes. This allows gaps and overlaps to be identified and resolved. A standard integral model and a series of more detailed industry specific models document business processes and demonstrate how users can benefit from using EAN•UCC standards.

• MARKETING

The Global Marketing Committee (GMC) ensures the promotion of EAN•UCC standards as well as the development of consistent marketing, educational and training tools and messages. It supports national

organisations on marketing issues concerning the EAN•UCC system in order to attain a consistent and harmonised image for EAN•UCC.

+ EAN•UCC SOLUTIONS FOR INDUSTRIES

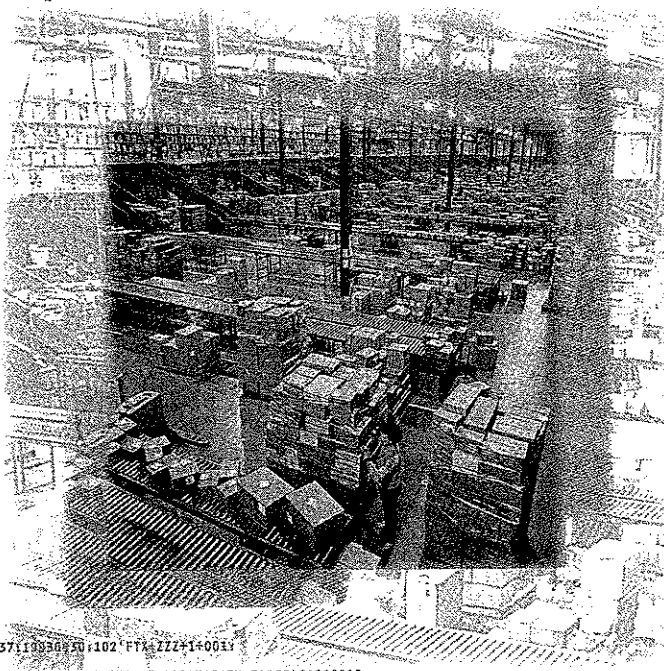
• RETAIL

The Efficient Consumer Response (ECR) initiative, co-sponsored by EAN International, focuses on improving efficiency in the retail supply chain. Its goal is to create a responsive, consumer-driven system to maximise opportunities for cost reduction by implementing supply chain efficiencies.

Emerging tools and strategies have become increasingly important, including the imple-

mentation of electronic commerce, collaborative

planning, forecasting and replenishment, and consolidated warehousing. As a member of the ECR Europe Executive Board, EAN International is involved in ECR projects in several industries: Efficient Replenishment Upstream (Secretariat), Interoperability of Electronic Catalogues (Secretariat), Efficient Unit Loads, and Transport Optimisation.



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• AGROCHEMICALS

CRISTAL, the European Crop Protection Association's (ECPA) project to develop guidelines for migrating to UCC/EAN-128 and EANCOM® standards is rapidly progressing under the project management of Cap Gemini consulting. EAN International supports CRISTAL's efforts through participation in the ECPA meetings and by guiding the migration process.

In addition to getting manufacturers involved, the CRISTAL project also targets the various agents across the distribution chain for increased use of EAN•UCC standards. Cap Gemini is producing supporting communication packages that will be distributed to interested parties.

• MEAT PRODUCTS

Introduction of the UCC/EAN-128 bar code in the meat industry is restoring consumer safety and helping to regain consumers' confidence. The bar code system provides solutions for ensuring traceability of meat products and for satisfying a European Council regulation aimed at safeguarding the consumer.

The newly established Meat Supply Chain Task Force developed the "Application of EAN•UCC Standards in Implementing Regulation No. 820/97 (of the European Union)" guidelines for the traceability of beef. The task force is a multipartite, voluntary effort focused on harmonising the application of EAN•UCC standards to comply with the EU regulation. The guidelines are also meant to improve the efficiency, accuracy, and quality of logistics and administrative processes throughout the meat supply chain.

Thirty-three parties participated in the project task force including the European Livestock and Meat Trading Union (UECBV), the Liaison Centre for the Meat Processing Industry in the EU (CLITRAVI), the Retail, Wholesale, and International Trade Representation to the EU (EuroCommerce), the European Consumers' Organisation (BEUC), the EuroHandelsinstitut (EHI), and 17 EAN Organisations. The task force's output is the basis for the development of global meat supply chain guidelines for Asia and Latin America.

The United Nations Economic Commission for Europe recommends the UCC/EAN-128 standard in the draft "Standard for Beef Carcasses and Cuts".

• HEALTHCARE

Following the successful conclusion of the Healthcare Collaboration Project (HCP) in 1998, Deloitte & Touche's "Healthcare Centre of Excellence" and EAN International launched the "Bringing Improvements in Healthcare Processes" (BIHP) project. BIHP analyses logistical and supply processes starting from the patient and moving backwards along the various value chains. BIHP unites hospitals, manufacturers of pharmaceutical, medical, surgical, and paramedical supplies, as well as

associations, universities, and consultancies involved in healthcare.

BIHP's objective is to reduce costs in healthcare processes while improving the quality of service. The project's results will show the benefits of process re-engineering and the use of information technology tools based on EAN•UCC standards, for all players in healthcare.

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• GOVERNMENT/DEFENCE

As part of many governments' efforts to reduce costs and improve processes, defence organisations are being encouraged to adopt standards that have proven successful in the commercial environment.

NATO has already created reference fields to accept EAN•UCC article numbering in its stock numbering

system (NSN). This encourages defence suppliers to barcode their products using EAN•UCC standards. Asset tracking and uniform labelling of shipping units also form part of this co-operation. The collaboration with NATO will be extended to new NATO members and Partnership for Peace countries.

• PUBLISHING

Since the agreement was made in 1980 between EAN and the International Standard Book Numbering (ISBN) agency, whereby ISBN numbers can be embedded into standard EAN barcodes, the publishing industry continues to co-operate with EAN in order

to benefit from the application of the numbering, bar coding, and EDI standards. Guidelines for using EANCOM® in the publishing industry are currently available; guidelines for using standard barcode applications will be released in 1999.

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• PACKAGING

The Packaging Supply Chain Project is designed to facilitate introducing EAN•UCC standards by developing a "good practice" model and key recommendations for the packaging materials suppliers.

Together with international packaging industry associations, EAN International will produce segment-specific

guidelines, which will help the packaging industry attain the numerous benefits resulting from the EAN•UCC system. Over 20 user companies and their packaging material suppliers are participating in the project.

The Packaging Supply Chain Project co-operates with the ECR Europe Efficient Replenishment Upstream, and the Unit Load Identification and Tracking working groups.



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• TRANSPORT

The Trans-Core project group, which involves 35 organisations including the UCC, is in the process of finalising a multi-modal business process model for the transportation sector. This model will help guide users to effectively implement EAN•UCC standards in transport processes. The Trans-Core model will be complemented by other publications such as an EAN•UCC system implementation guideline and a brochure highlighting the benefits of the system for transport.

Recognising the potential benefits, transport associations in Germany, Sweden, and Norway have

already adopted EAN•UCC standards or recommended them to their members. Similarly, the ECR Transport Optimisation Project has endorsed the EAN•UCC system for logistic and supply processes in its Transport Optimisation Guideline publication.

EAN International continues to maintain close relations with major transport associations including the International Air Transport Association (IATA), the International Federation of Freight Forwarders Association (FIATA), the Freight Forwarders Europe (FFE) and the International Union Railways (UIC).

• TEXTILES AND APPAREL

Associations and companies dealing in textiles have enthusiastically received the new brochure "EAN•UCC Solutions for the Textile and Apparel Industry". This document provides support in

implementing the EAN•UCC system for apparel manufacturers and their suppliers. The publication will be further promoted within the industry.

• SOFTWARE HOUSES

A campaign has been launched to strengthen ties with major software houses that incorporate the EAN•UCC system in their products. The objective is to ensure

that companies using Enterprise Resource Planning (ERP) and other software are able to seamlessly use the EAN•UCC system.



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ON THE CUTTING EDGE -

TECHNOLOGY SHAPING

THE FUTURE OF BUSINESS

THE SEARCH FOR INCREASED EFFICIENCIES AND IMPROVED SERVICES PROMPTED MANAGERS ON A GLOBAL SCALE TO DEVELOP BETTER WAYS OF MANAGING THE SUPPLY CHAIN. UNDERSTANDING THE NEEDS OF BUSINESSES WORLDWIDE REQUIRES A USER-DRIVEN ORGANISATION THAT CAN MAXIMISE THE VALUE-DELIVERY PROCESS. TO PROVIDE FOR EMERGING NEEDS, AND TO SHAPE THE ENVIRONMENT IN WHICH BUSINESS WILL BE CONDUCTED IN THE NEXT CENTURY, EAN•UCC IS CONTINUOUSLY INVOLVED IN TECHNOLOGICAL DEVELOPMENT. CUTTING-EDGE RESEARCH AND LONG ESTABLISHED GLOBAL EXPERTISE RESULT IN VALUE-ADDED BUSINESS SOLUTIONS, ENHANCING SUPPLY CHAIN EFFICIENCY.

EAN INTERNATIONAL'S RESEARCH AND DEVELOPMENT INCLUDES ELECTRONIC COMMERCE, COMPRISING OF GLOBAL ELECTRONIC DATA INTERCHANGE OR EDI (EANCOM®), LITE EDI, EDI VIA THE INTERNET, AND ELECTRONIC CATALOGUES. THE OTHER AREA OF INTENSIVE RESEARCH AND DEVELOPMENT IS AUTOMATIC DATA CAPTURE. THIS CONSISTS OF SPACE-CONSTRAINT PRODUCT MARKING (REDUCED SPACE SYMBOLOGY AND COMPOSITE SYMBOLOGY) AND RADIO FREQUENCY IDENTIFICATION (RFID). INTENSIVE TECHNOLOGICAL ANALYSIS DRIVEN BY USERS' NEEDS WILL ENSURE UNIVERSALLY APPLICABLE SOLUTIONS FOR THE FUTURE.

19'TAX+7+VAT+++t

A HIGH-LEVEL EAN•UCC PRESENCE ON SEVERAL TECHNOLOGICAL STANDARDS COMMITTEES ENSURES STRONG MEMBER REPRESENTATION IN THE WORLDWIDE STANDARDISATION PROCESS. EAN•UCC HAS CLOSE LINKS WITH THE UN/EDIFACT ORGANISATION, THE EUROPEAN UNION, THE EUROPEAN COMMITTEE FOR STANDARDIZATION (CEN), THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), AND THE INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO), AS WELL AS A LARGE NUMBER OF TRADE AND BUSINESS ORGANISATIONS.

+ELECTRONIC COMMERCE

• EANCOM®

Electronic Data Interchange (EDI) addresses the information flow supporting supply chain processes. EDI is not a technology, but a tool that can effectively be used to redesign information-driven business processes. EDI is vital for businesses regardless of size, allowing them to conduct transactions electronically for increased efficiency and productivity.

In June 1998, the newly formed Global Communications Committee (GCC) met for the first time. It replaced the former EAN International Communications Systems Committee. The GCC brings together EDI and Electronic Commerce experts from around the world. Its primary task is to maintain EANCOM® implementation guidelines. EANCOM®

is a subset of the United Nations EDIFACT standard, which is maintained by the United Nations Center for the Facilitation of Administration, Commerce, and Transport (UN/CEFACT).

Maintaining EANCOM® through processing requests for additions to the standard has been a big task, due to the standard's great demand by new industries (e.g. textiles and automotive spare parts), and by companies migrating from national standards.

Several new guidelines for applying EANCOM® have been published, including the document "The Application of EANCOM® for the Trade of Shoe Products".

• SECURITY FOR EANCOM® MESSAGES

The international exchange of data by electronic means is rapidly increasing. EANCOM®, one of the most widely used systems for international electronic trade, covers a wide variety of business transactions including purchasing, shipping, and finance. This involves the exchange of sensitive data such as price information. Safeguards are necessary to protect trading partner relations as well as the data involved. To ensure the security of sensitive data in EANCOM® messages, EAN International has released guidelines to implement security solutions. "Security for EANCOM® messages" addresses the most common security threats faced between leaving the sender's EDI gateway and arrival at the trading partner's EDI gateway.

Based on the recommendations of the "Security for UN/EDIFACT Message Transfer", this guideline covers the most common security threats faced in EDI. This includes changes to

message content, the creation of unauthorised messages, the repudiation of recipient or sender of a message, and unauthorised exposure to message content.

The brochure proposes corresponding solutions such as integrity, authentication, and non-repudiation of origin and reception as well as confidentiality. Instead of documenting the application of security in individual messages, it uses a generic approach that is applicable

to all EANCOM® messages. Examples and scenarios help the user to choose the most appropriate solution to cater to the companies' security needs.

The security solutions are based on Version 3 of the EDIFACT syntax (ISO 9735), on which the EANCOM® 1997 manual is based. A long-term solution for security will be incorporated into Version 4 of the syntax. This solution will be implemented into the next EANCOM® version.



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• LITE EDI

The use of EDI is growing at a steady rate. However, its growth remains predominantly limited to more technically advanced companies. For smaller players in the marketplace, implementing EDI can be a complex and initially costly process that requires specialist skills. A new development, Lite EDI, addresses these issues by providing companies with interfaces that allow them to use EDI in a transparent manner, in conjunction with low-cost, widely available communications solutions.

The major component of Lite EDI is simplified EDI messages. However, EDI is only one component of this concept. EAN numbers are used as keys to master databases, to data alignment, and as a communications medium, to form the Lite EDI concept.

Lite EDI offers opportunities for the adoption of simplified processes. It may be used with Internet technology or with other Value Added Networks (VAN) to support the communication of the EDI messages.

A working group of EDI experts at EAN International released a document on the Lite EDI concept. It covers all elements which make up Lite EDI and details the core data required to create Lite EDI messages. It also explains the role of EDI forms in Lite EDI, and gives examples of Lite EDI forms.

• XML EDI

New EDI technologies that could complement the UN/EDIFACT standards have been discussed extensively. The Extensible Markup Language, or XML, is one technology that has sparked the most interest and discussion. As a subset of the Standard Generalized Markup Language (SGML), it is expected that the next generation of web browsers will use the XML language.

This new technology might be of great advantage for users in the future. However, to date, it does not form a realistic alternative to the UN/EDIFACT standard.

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• ELECTRONIC CATALOGUES

More than ever, Electronic Catalogues are in great demand. Due to the vast expansion of electronic commerce in international trade, information availability is crucial. This need can be met by using Electronic Catalogues.

An Electronic Catalogue is a repository of data where trading partners can obtain, maintain, and exchange information about any product, service, party or location in a standard format using electronic means. It can be used directly, between two parties, or indirectly, by multiple trading partners connected via a data repository.

Electronic Catalogues help trading partners to use the same data in both their internal and their external applications, to increase the entire supply chain's efficiency by improving the quality of the data exchanged. This concept is known as "Master Data Alignment" and involves the maintenance of accurate and synchronised databases for products, prices, promotions, and locations.

Potential benefits of using Electronic Catalogues include standard identification of the trade item through the

entire chain; facilitated and improved Master Data Alignment use between trading partners; facilitated product search and new product introduction; computer assisted ordering (CAO) support; automated price-look-up (PLU) file support; optimised space management exploitation for stores and warehouses; improved direct product profitability (DPP); facilitated trade and logistic unit auditing and loading; and using many Efficient Consumer Response (ECR) techniques.

The EAN International Electronic Catalogues working group has released a document with recommendations for the common set of data contained in an Electronic Catalogue. "Electronic Catalogues: EAN Recommendations" guidelines on the application of the following EANCOM® messages to interface with the catalogue: Price/Sales catalogues (PRICAT), Product Data (PRODAT), and Party Information (PARTIN). It also guides companies in the design stage of establishing Electronic Catalogues. The use of international codes, formats, and classifications will save time and money when exchanging information between catalogues.

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19'FAX+7+VAT+11:1

+ AUTOMATIC DATA CAPTURE

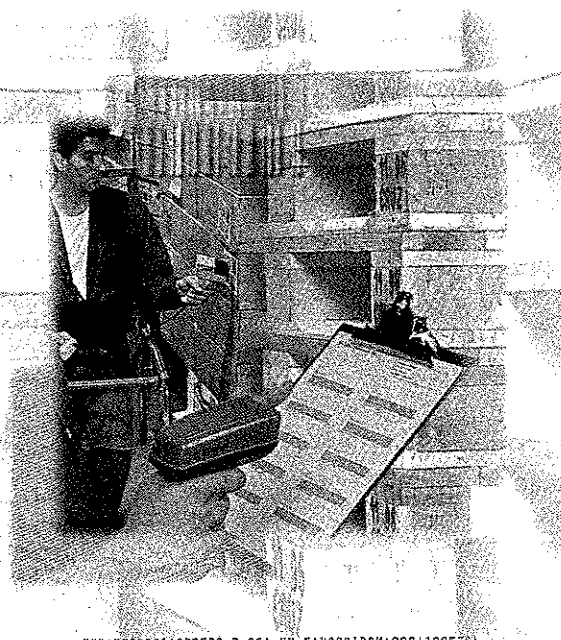
• GENERAL EAN•UCC SPECIFICATIONS

In January 1999, EAN International and the UCC released the first version of the global Automatic Data Capture (ADC) standard manual, the "General EAN•UCC Specifications". This single global reference for data content and application of ADC technology represents a giant step towards the worldwide EAN•UCC system. It replaces ADC standard manuals separately published by EAN and by the UCC.

The new manual forms the basis for all related national manuals and sector-specific implementation guidelines. The newly-formed global

committees, the Global Technical Committee (GTC), the Global Symbology Committee (GSC), and several project teams will base their work on this single global standard reference document.

The General EAN•UCC Specifications will be maintained and amended to reflect the evolving requirements of global EAN•UCC users. New application identifiers and new specifications for using standard data elements and data carriers in specific areas will be made available to users.



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• REDUCED SPACE SYMBOLOGY AND COMPOSITE SYMBOLOGY

Reduced Space Symbolology (RSS) and Composite Symbolology are the latest developments in space-constrained identification from EAN International and the UCC. While these new symbolologies offer solutions to problems of product marking which are currently unaddressed, they are not intended to replace existing barcodes on products.

The invention of bar codes in the early 1950s marked an important step towards the development of technologies enabling automatic data capture. It took 20 years before major applications utilising the bar coding technology were put in place. The adoption of the Universal Product Code (UPC) in 1973 transformed bar codes from a technological curiosity into a major advancement in the way to conduct business.

New and innovative methods of encoding and automatically capturing data continue to be elaborated. Recent developments include matrix and multi-row bar code symbolologies, generically known as two-dimensional symbolologies (2D).

EAN International and the UCC have conducted extensive research on the issue of marking products that are too small to carry traditional linear bar codes, as well other business requirements which could not be met with the existing EAN•UCC standards. The result of this research is the proposal for a new family of bar code symbolologies, RSS and Composite.

RSS barcodes offer four versions of linear bar codes encoding the primary EAN•UCC identification numbers. The Composite symbol is made up of a linear symbol (RSS or another standard EAN•UCC linear symbol) coupled with a 2D component. The 2D component encodes attributes of the primary identification. For example, the EAN•UCC number identifying a very small healthcare item would be represented in the linear RSS symbol, and the traceability data (lot number and use by date) would be encoded in the 2D component.

A similar solution may be beneficial in logistics applications. The unique identification of a transport unit, encoded in a regular UCC/EAN-128 symbol, could be combined with the 2D component containing details of the contents of the unit.

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be available at the end of 1999. These guidelines will address marking very small items and marking variable measure items sold at the retail point of sale. However, since technology is not a goal in and of itself, using this technology will only be considered if it enables quicker, better, and more secure communications.

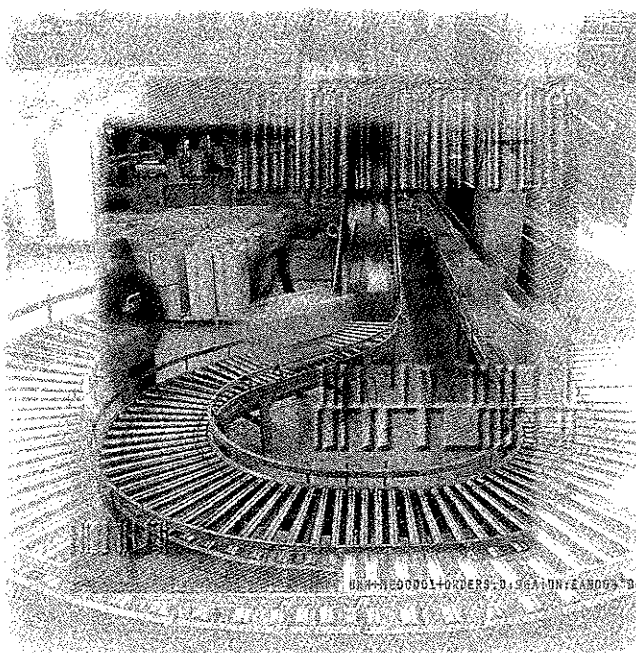
• RADIO FREQUENCY IDENTIFICATION

An official committee was launched in August 1998, responsible developing ISO standards in the area of RFID for item management applications.

In spite of a number of constraints related to development speed and formal procedures, this approach offers the opportunity to bring together interested parties from all countries and all sectors of activity, thus maximising the likelihood that all requirements are considered. The first series of draft technology standards for using RFID in the supply chain should be available in the year 2000.

RFID systems will not replace bar coding systems; they will complement the set of standard tools already available in the EAN•UCC system in various areas. It will ensure that the data content of RFID tags will be fully compatible with the data encoded into the existing EAN•UCC data carriers.

In spite of the obvious benefits of RFID tags, a number of barriers to the adoption of RFID still exist. These include cost, proprietary systems, different national legal restrictions on available frequencies, health issues, and readability in harsh metallic or humid environments.



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GLOBAL REACH - BUSINESS SUPPORT AROUND THE WORLD

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THE INTERNATIONAL EAN•UCC USER COMMUNITY EXCEEDS 800,000 MEMBER COMPANIES WORLDWIDE. THEIR NEEDS ARE AS WIDELY VARIED AS THEIR INDUSTRIES AND LOCATIONS, INCLUDING GENERAL QUESTIONS ON PRINTING AND SCANNING SPECIFICATIONS, APPLICATIONS SPECIFIC TO CERTAIN INDUSTRIES OR INTRODUCTION TO A NEW TECHNOLOGY.

THE EAN ORGANISATIONS AROUND THE WORLD ARE DEDICATED TO PROVIDE ANY SUPPORT POSSIBLE TO THE NEEDS OF THIS BUSINESS COMMUNITY. A NETWORK OF MORE THAN 90 OFFICES OFFERS SERVICE AND ASSISTANCE AROUND THE CLOCK.

ME00001+ORDERS:D:96A:UN:EAN008'BGM+220+128576'DTM+137:19930830:102'F1X+ZZZ+1+001:

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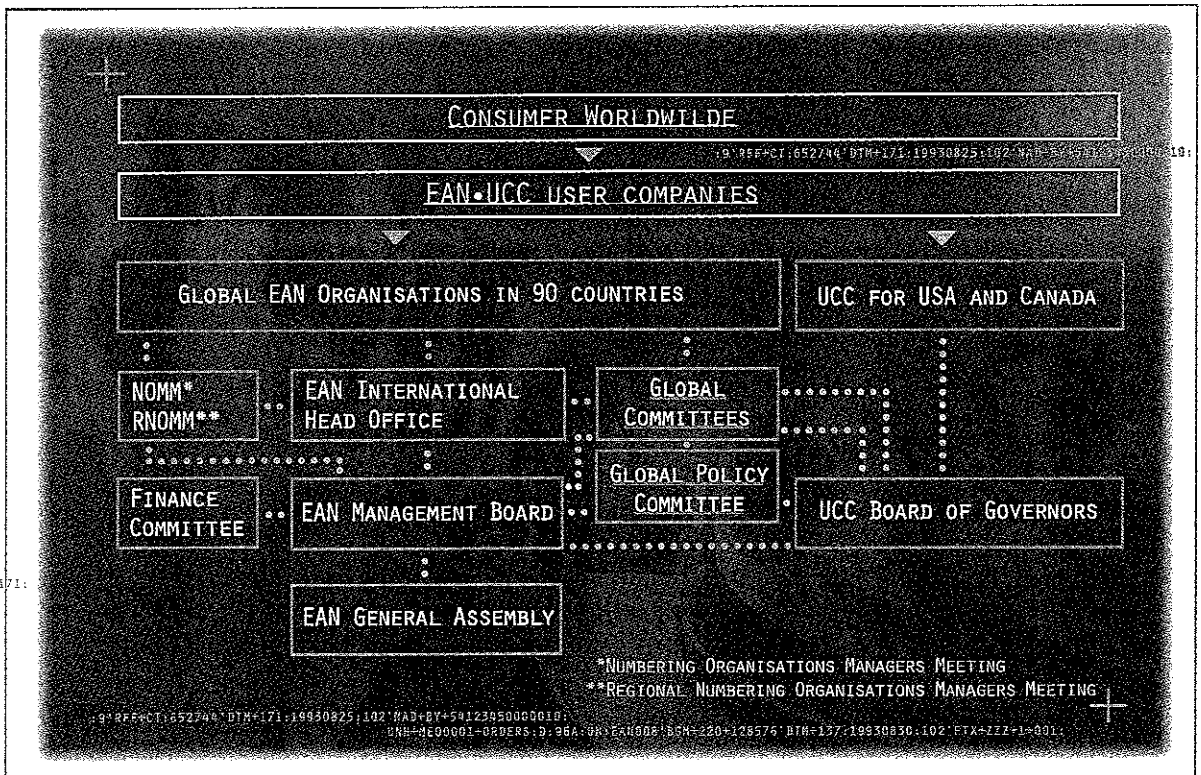
+ EAN AROUND THE WORLD



- EAN INTERNATIONAL MEMBER COUNTRIES
- U.S.A. AND CANADA ARE COVERED BY UCC
- MANUFACTURER NUMBERS ARE LOCATED ON A DIRECT BASIS BY EAN AND THE UCC

+ EAN•UCC ORGANISATIONAL STRUCTURE

The customer-oriented structure of the global EAN•UCC organisation ensures market-oriented, business focused solutions.



• communication lines

reporting lines •

+ GLOBAL SERVICES

Training courses and tools, helpdesks, publications, online information, and call centres are just a few of the many services offered by EAN International.

• HELPDESKS

At the EAN International head office, three e-mail help desks offer quick and competent advice on all questions related to EAN•UCC topics. Please mail your general enquiries to info@ean.be. For questions related to electronic commerce, turn to edihelp@ean.be. Questions on automatic data capture can be sent to adchelp@ean.be.

Many national EAN organisations offer similar helpdesks in the local language. Please refer to the section "The Global Report 98-99", page 23 in this report.

• PUBLICATIONS

You can stay informed of the latest developments and technologies with EAN International's wide range of publications. Please see below for a list of current brochures. If you wish to obtain copies, please contact info@ean.be or call (322) 227 10 33. For short descriptions of the brochures, please look into our website: www.ean.be. For publications in local languages, please contact the national EAN organisations as listed in "The Global Report 98-99".

- EAN•UCC General Specifications
- EANCOM® 1997 (Manuals + diskettes)
- EANCOM® 1997 CD-ROM
- Introduction to EDI
- Introduction to SSCC
- Introduction to EANCOM® in Trade and Transport
- Introduction to EANCOM® in Trade and Finance
- Electronic Commerce in the EAN Community - Survey 1998
- The Application of EANCOM® for the Trade of Healthcare Products
- The Application of EANCOM® for the Trade of Shoe Products
- Metered Services User Profile

- Customer Specific Articles User Profile
- Position Paper on Lite EDI
- Security for EANCOM® Messages
- Electronic Catalogues - EAN Recommendations
- EAN Image Brochure - The Global Language of Business
- Current Annual Report
- EAN Directory
- Vital in Communications : EAN Location Numbers
- Improving The Business Potential, An International Guide for Identifying and Bar Coding Healthcare Products for Manufacturers and Distributors
- Bar Codes & EDI for Healthcare Providers
- Status of the Coding of Pharmaceutical Products

- EAN•UCC Solutions for the Textile and Apparel Industry
- EAN Location Numbers, a key concept in communications
- EAN Identification of retail/trade items
- Solutions for Supply Chain Management : Application Identifiers and the UCC/EAN-128 Symbology
- EANCOM®: An International Standard for EDI communication
- The role of EAN in ECR
- RSS and Composite Symbology
- EAN•UCC Logistics Label and the Serial Shipping Container Code
- Solutions for Payment Processes

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• TRAINING CD-ROM:
"EFFICIENT SUPPLY CHAIN MANAGEMENT
USING EAN•UCC STANDARDS"

Efficient supply chain management is a complex topic. To assist in training supply chain participants, EAN International has developed a new educational tool that shows best practice. Available now, the CD-ROM supports self training as well as training in small groups.

The CD-ROM covers all EAN•UCC standards used in the supply chain. An animated storyline, audio, and hyperlinks to detailed explanation enable quick and trouble-free comprehension.

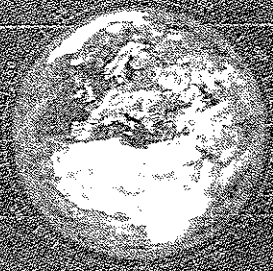
To order this new training tool, please contact info@ean.be or call (322) 227 10 33.



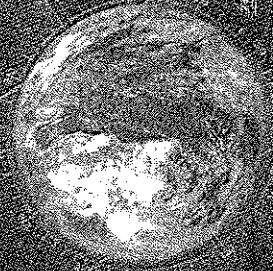
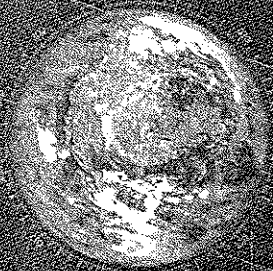
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*For an explanation of
the service icons used,
please refer to the flap
on the rear cover*



THE GLOBAL REPORT 98-99

Synopsis of activities of member numbering organisations

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ALGERIA
 EAN ALGERIE - ORGANISATION ALGERIENNE DE
 CODIFICATION DES ARTICLES (JOINED IN 1994)
 RUE DES FRÈRES ZIATA
 EL MOURADIA - ALGER
 TEL: 213 2 24 57 50
 FAX: 213 2 24 57 50

>
 EAN ALGERIE continued to work towards the expansion of the EAN•UCC system, mainly within the food and cosmetics sectors. EAN ALGERIE promoted the use of EAN•UCC numbering and barcoding at several trade and industry exhibitions.



ARGENTINA
 EAN ARGENTINA (JOINED IN 1985)
 VIAMONTE 340 P. 1
 1053 BUENOS AIRES
 TEL: 54 11 4510 1700
 FAX: 54 11 4510 1740
 E-MAIL: AAPCOMER@INFOVIA.COM.AR
 WEB SITE: WWW.CODIGO.COM.AR

>
 EAN ARGENTINA actively participated in a workgroup, analysing the codification of commercial documents. The newly created Permanent Logistics Committee has the goal of finding logistics solutions for retailers and suppliers through barcodes and EDI. EAN ARGENTINA provides a consultancy service related to barcode and EDI implementation. Currently, it is developing the base for an Electronic Catalogue for logistics data.



ARMENIA
 EAN ARMENIA (JOINED IN 1996)
 KOMITAS AVE. 49/2
 375051 YEREVAN
 TEL: 374 2 234 778
 FAX: 374 2 285 620
 E-MAIL: SARM@ARMINCO.COM

>
 EAN ARMENIA concentrated its efforts on spreading the EAN•UCC standards in the food, beverage, and pharmaceutical sectors.



AUSTRALIA
 EAN AUSTRALIA LTD (JOINED IN 1979)
 2 KINGSTON TOWN CLOSE
 OAKLEIGH,
 VICTORIA, 3166
 TEL: 61 3 9569 9755
 FAX: 61 3 9569 1525
 E-MAIL: EAN@EAN.COM.AU
 WEB SITE: WWW.EAN.COM.AU

>
 After EANnet's introduction in 1997, EAN AUSTRALIA has worked on promoting its adoption and usage. EAN AUSTRALIA's effort led to the national healthcare industry's acceptance of EAN•UCC standards. Due to their work, the Australian grocery industry is showing great interest in EANCOM®.



AUSTRIA
 EAN AUSTRIA - GESELLSCHAFT FÜR KOOPERATIVE
 LOGISTIK GES.M.B.H. (JOINED IN 1977)
 MAYERHOFASSE 1/15
 1040 WIEN
 TEL: 43 1 505 86 01
 FAX: 43 1 505 86 01 22
 E-MAIL: OFFICE@EAN.CO.AT
 WEB SITE: WWW.EAN.CO.AT

>
 EAN AUSTRIA is in the second phase of its ECR activities in the transport sector, where EAN•UCC standards are being tested in a complex environment. Some transport service providers have already started participating in ECR working groups. EAN AUSTRIA is also co-operating with the Austrian national organisation responsible for implementing the "Mad Cow project", the European Regulation No. 820/97. It received the government's recommendation for using the UCC/EAN-128 symbology for tracking and tracing beef products. EAN AUSTRIA also co-operates with the major software supplier for this sector, which also promotes EAN•UCC standards. Due to EAN Austria's efforts, pharmacies increased scanning EAN•UCC barcodes at the point-of-sale (POS) and in logistics applications.



BELARUS
 EAN BELARUS (JOINED IN 1997)
 25, AKADEMICHESKAJA STR.
 MINSK, 220072
 TEL: 375 17 284 19 55
 FAX: 375 17 284 22 77
 E-MAIL: PAULOUSKI@BASNET.MINSK.BY

>
 EAN BELARUS started its operations in 1998, primarily with manufacturers as its members. However, the absence of reliable networks for the exchange of information currently prevents the broad distribution of barcoding. EAN BELARUS is working on an EAN Electronic Catalogue.



BELGIUM & LUXEMBOURG
 ICODIF/EAN BELGIUM•LUXEMBOURG (JOINED IN 1977)
 RUE ROYALE 29
 1000 BRUXELLES
 TEL: 32 2 229 18 80
 FAX: 32 2 217 43 47
 E-MAIL: ICODIF@EANBELGILUX.BE
 WEB SITE: WWW.EANBELGILUX.BE

>
 Due to ICODIF/EAN BELGIUM•LUXEMBOURG's efforts, the publishing industry in Belgium and Luxembourg agreed to symbol-mark all magazines and periodicals. The organisation initiated contact with various organisations to explain the EAN proposals for tracing meat products. EANCOM® User Profiles were developed for several messages in the household, textile, construction, and transport sectors.



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BOLIVIA

EAN BOLIVIA - INSTITUTO DE CODIFICACIÓN COMERCIAL
(JOINED IN 1994)
SUÁREZ DE FIGUEROA No. 127
SANTA CRUZ DE LA SIERRA
TEL: 591 3 334555
FAX: 591 3 342353
E-MAIL: EAN_BOLIVIA@CAINCO.ORG.BO
WEB SITE: WWW.CAINCO.ORG.BO

>

EAN BOLIVIA offers a range of services, from allocation of codes to advice on automating business processes. It is currently focussing its efforts on exporting companies, particularly in the food and beverage industry. EAN BOLIVIA also plans to strengthen its relationships with key public and private bodies.



CENTRAL AMERICA

ICCC (HONDURAS) - DIRECCION DEL SISTEMA ELECTRONICO DE COMERCIO (JOINED IN 1991)
EDIFICIO C-MARA DE COMERCIO
4TO. PISO BOULEVARD CENTROAMERICA
P.O. BOX 3444 TEGUCIGALPA
HONDURAS - CENTRO AMERICA
TEL: 504 235 7792
FAX: 504 232 7793
E-MAIL: DIESELGER@ITSNETWORKS.NET
WEB SITE: WWW.SI.HN/DIESELCO

>

ICCC (HONDURAS) focussed on the implementation of EAN•UCC standards. It created working groups and committees composed of equipment providers, producers, and users of the system. ICC (HONDURAS) provided barcoding application training for affiliated companies.



BOSNIA-HERZEGOVINA

EAN BIH (JOINED IN 1995)
BRANISLAVA DJURDJEVA 10
71000 SARAJEVO
TEL: 387 71 66 36 34
FAX: 387 71 66 36 34
E-MAIL: EAN-BIH@KOMORABIH.COM
WEB SITE: WWW.KOMORABIH.COM

>

In the context of national economic recovery, EAN BIH is working to restore its membership base.



CHILE

EAN CHILE - DIRECCION ESTRATEGICA PARA EL COMERCIO (JOINED IN 1989)
MERCED 230
SANTIAGO - CENTRO
TEL: 56 2 365 4230
FAX: 56 2 365 4222
E-MAIL: EANCHILE@CNC.CL
WEB SITE: WWW.DEPCCO.CL

>

EAN CHILE is developing electronic commerce within the supply area of the mining industry. The first step was the use of EANCOM® messages in the supply chain. The next step will be integrating international suppliers using EANCOM® and EAN•UCC barcoding standards. EAN CHILE worked closely with producers and distributors of fruits and vegetables, issuing a manual describing the packaging and identification system for this sector. It also promoted the use of the EAN•UCC standards in the banking sector.



BRAZIL

EAN BRASIL - ASSOCIACAO BRASILEIRA DE AUTOMACAO COMERCIAL (JOINED IN 1985)
ALAMEDA SANTOS, 2441 9º AND. CEP 01419-002
SAO PAULO-SP
TEL: 55 11 8816560
FAX: 55 11 30643275
E-MAIL: EAN@EANBRASIL.ORG.BR
WEB SITE: WWW.EANBRASIL.ORG.BR

>

EAN BRASIL actively participated in several workgroups including: Category Management, Standardisation, Trade EDI, Financial EDI, and Continuous Replenishment of Goods. The Logistic Units Barcoding Application is actively being promoted. As a result of a workgroup analysis, a draft document has been prepared describing EAN•UCC barcoding for logistic units in the healthcare sector. EAN BRASIL organised a large number of events and conferences for targeted industries.



CHINA

ANCC - ARTICLE NUMBERING CENTRE OF CHINA (JOINED IN 1991)
EAST GATE OF NO.46 YUZHONGXILI DEWAI
XICHENG DISTRICT, BEIJING, CHINA 100029
TEL: 86 10 620 24 533
FAX: 86 10 620 24 523
E-MAIL: ANCC@PUBLIC3.BTA.NET.CN

>

ANCC expanded the use of the EAN•UCC system in the retail sector and supported more than 5000 scanning stores. ANCC is carrying out research on the optimisation of key technologies and implementation methods of supply chain management, as well as spreading the application of the UCC/EAN-128 standard in the transport sector. ANCC has also been active in promoting the use of EANCOM®.



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ORDERS:D:96A:UN:EAN008'BGM+220:128576'DTH:137:19930630:102'FYA:ZZZ+1+001

BULGARIA

BCCI - BULGARIAN CHAMBER OF COMMERCE AND INDUSTRY, EAN BUREAU (JOINED IN 1991)
42 P. PARTCHEVITCH STR.
1000 SOFIA
TEL: 359 2 987 26 31
FAX: 359 2 987 32 09
E-MAIL: EANBG@BCCI.BG
WEB SITE: WWW.BCCI.BG

>

BCCI focussed on the implementation of the EAN•UCC standards and the growth of its membership base.



COLOMBIA

IAC COLOMBIA (JOINED IN 1989)
AV. DORADO NO. 68 B- 85 TORRE 2 PISO 6,
SANTAFE DE BOGOTA
TEL: 57 1 4270 999
FAX: 57 1 4270 212
E-MAIL: IACCOL@IBM.NET
WEB SITE: WWW.EANCOL.ORG

IAC COLOMBIA focussed on the development of electronic commerce using EAN•UCC standards in a wide range of sectors: manufacturing, retail, distribution, healthcare, banks and financial institutions, transport/logistics service providers, insurance, and social security. IAC COLOMBIA established a workgroup in the construction sector and started to promote ECR in the textile and apparel sectors.



COSTA RICA

EAN COSTA RICA (JOINED IN 1998)
CURRIDABAT, EDIFICIO GALERIAS DEL ESTE,
PRIMER PISO, OFICINA #7
SAN JOSÉ
TEL: 506 224 3255
FAX: 506 224 4722
E-MAIL: ACCCEAN@SOL.RACSA.CO.CR
WEB SITE: WWW.ACCC.CO.CR

EAN COSTA RICA worked on the expansion of the EAN•UCC system at the national level and the promotion of the EAN•UCC standards in various sectors such as healthcare. It consolidated its EDI project in the retail sector and is ready to open the scheme to other sectors such as customs, banking, and government. The use of payment slips has expanded to public services including electricity, water supply, and telephone.



CROATIA

EAN CROATIA - CROATIAN ARTICLE NUMBERING
ASSOCIATION (JOINED IN 1992)
ROOSEVELTOV TRG 2
10000 ZAGREB
TEL: 385 1 4561 539
FAX: 385 1 4561 579
E-MAIL: MAIL@CRO-EAN.HR
WEB SITE: WWW.CRO-EAN.HR

EAN CROATIA implemented the EAN•UCC system as the national standard for variable measure trade items for the meat, cheese, and fish industries. It also started an initiative for implementing EAN•UCC standards in the healthcare sector. As part of the introduction of its EDI project, EAN CROATIA launched a project on Location Numbers. The first phase of its electronic catalogue for products has been completed.



CUBA

EAN CUBA - CÁMARA DE COMERCIO DE LA REPÚBLICA
DE CUBA (JOINED IN 1990)
CALLE 21 No.661, ESQ.A, VEDADO
CIUDAD DE LA HABANA
TEL: 53 7 32 2693
FAX: 53 7 33 3042
E-MAIL: CAMARA@CORREO.COM.CU

EAN CUBA promoted the EAN•UCC system in several sectors, including healthcare and pharmaceuticals. It also expanded the use of the EAN•UCC system in several other non-food sectors such as textiles and chemicals. It recently integrated the Electronic Commerce Commission of its Ministry of Foreign Trade.



CYPRUS

EAN CYPRUS - CYPRUS CHAMBER OF COMMERCE
& INDUSTRY (JOINED IN 1985)
38, GRIVAS DHIGENIS AVE., & 3, DELIGIORGIS STR.
P.O. Box 21455
1509 NICOSIA
TEL: 357 2 669 500
FAX: 357 2 665 685
E-MAIL: CHAMBER@CCCI.ORG.CY
WEB SITE: WWW.CCCI.ORG.CY

EAN CYPRUS continued promoting the EAN•UCC system among Cypriot firms. The majority of its members is comprised of manufacturers and importers. Due to a recent recession in the local market, a large number of existing members have closed down their operations, however, new registrations were achieved, and EAN CYPRUS is looking forward to a good year.



CZECH REPUBLIC

EAN CZECH REPUBLIC (JOINED IN 1983)
NA PANKRAČI 30
140 00 PRAHA 4
TEL: 420 2 6100 1145
FAX: 420 2 6100 1147
E-MAIL: EANCZ@MROX.VOL.CZ
WEB SITE: WWW.EDITEL.CZ/EAN

EAN CZECH REPUBLIC continued to spread the EAN•UCC system in non-food sectors: textiles, chemicals, furniture, and construction. EAN CZECH REPUBLIC also focussed on promoting the use of EANCOM® in a wide range of industries.



DENMARK

EAN DANMARK (JOINED IN 1977)
ALDERSRØGADE 6 D
2100 COPENHAGEN
TEL: 45 39 27 85 27
FAX: 45 39 27 85 10
E-MAIL: INFO@EAN.DK
WEB-SITE: WWW.EAN.DK

EAN DANMARK saw an increase in the number of applicants from the Do-It-Yourself (DIY) sector, especially in electric appliances. It completed the implementation guidelines for public procurement and

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is now working on implementation guidelines for the construction sector. EAN DANMARK maintained close contact and co-operation with the healthcare sector for implementing EAN•UCC standards.



DOMINICAN REPUBLIC
 EAN REPUBLICA DOMINICANA (JOINED IN 1995)
 EDIFICIO PLAZA COMPOSTELA - SUITE 3-1-5
 AVE. JOHN F. KENNEDY ESQ. CALLE 7
 SANTO DOMINGO
 TEL: 809 683 4727
 FAX: 809 683 4842
 E-MAIL: EANRD@CODETEL.NET.DO

>
 EAN REPUBLICA DOMINICANA worked closely with hardware stores and their suppliers to use EAN•UCC standards in distributing their products. Thanks to this effort, more than 90% of the items offered are now bar-coded. EAN REPUBLICA DOMINICANA continued promoting EAN•UCC standards through training and workshops.



ECUADOR
 ECOP - ECUATORIANA DE CODIGO DE PRODUCTO
 (JOINED IN 1992)
 RUIZ DE CASTILLA 763 Y ANDAGOYA
 EDIF. EXPOCOLOR, PISO 3, OFICINA 3.
 QUITO
 TEL: 593 2 507 580
 FAX: 593 2 507 584
 E-MAIL: ECOP@UIO.TELCONET.NET

>
 ECOP focussed on implementing EAN•UCC standards in supply chain management with large companies and their suppliers through seminars on label production. Due to ECOP's efforts, more and more private and government-owned supermarket chains now use barcodes at the POS. ECOP successfully introduced the UCC/EAN-128 standard in several logistics and packaging companies. The increase in member companies was particularly strong in the packaging, raw material, textile, and pharmaceutical sectors.



EGYPT
 EAN EGYPT (JOINED IN 1996)
 35 HADAYEK EL OBOUR BUILDINGS
 SALAH SALEM ST
 CAIRO
 TEL: 202 2627 617
 FAX: 202 2612 622

>
 EAN EGYPT focussed its activities on the following sectors: food, pharmaceuticals, and home appliances. Promotional efforts have resulted in increased industry awareness and demand through speaking engagements at trade seminars and conferences.

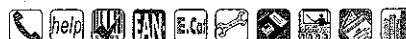


UNH+MEQ
 UNH+NE00001+ORDERS:D:96A:UN:EAN008*8GM*220

9 RFFC1:652749*DTM:171:19930825:102*NAD:8Y+5+12345000010:
 ORDERS:D:96A:UN:EAN008*8GM*220+128576*DTM:137:19930830:102*FIX+ZZZ+1+001

EL SALVADOR
 EAN EL SALVADOR (JOINED IN 1998)
 9th AVE. NORTE Y 5th CALLE PONIENTE
 SAN SALVADOR - CENTRO AMERICA
 TEL: 503 221-3212
 FAX: 503 221-2499
 E-MAIL: DIESCO.EANSAL@SALNET.NET

>
 EAN EL SALVADOR targeted department stores by launching a working group with the five largest department stores in El Salvador. Now, more than 60% of the products offered are identified by an EAN•UCC barcode. Great success has also been reached in the supermarket sector with the Category Management Project. Further work will be done on logistics and ECR.



ESTONIA
 EAN EESTI (JOINED IN 1993)
 TULIKA 19,
 10613 TALLINN
 TEL: 372 6 50 50 63
 FAX: 372 6 50 50 93
 E-MAIL: EAN@DATANET.EE

>
 EAN EESTI hosted a workshop on variable measure trade items for manufacturers, retailers and wholesalers, and POS-systems software producers. As a result, fixed rules for barcode use for variable measure trade items were confirmed. The UCC/EAN-128 standard will be introduced by the postal service for sorting postal packages. Currently, EAN EESTI is discussing national classification of pharmaceutical products with the Estonian State Agency of Medicines. It is co-operating with the Consumer Protection Board and the Estonian Meat Union on the use of barcodes for meat products with variable weight.



FINLAND
 EAN FINLAND OY (JOINED IN 1977)
 ALEKSANTERINKATU 17, P.O. Box 1000
 00101 HELSINKI
 TEL: 358 9 69 69 69
 FAX: 358 9 65 03 03
 E-MAIL: SVEN-GUSTAF.LINDROOS@WTC.FI
 WEB SITE: WWW.KESKUSKAUPPAKAMARI.FI

>
 The number of EAN•UCC users in Finland continues to grow rapidly. The scanner penetration for traded units exceeded 60% of all products. EAN FINLAND organised seminars for trade and industry to implement the logistics label. Due to its efforts, several companies in the wholesale sector took first steps in the use of the UCC/EAN-128 symbols. A working group for the implementation of the EURO was launched.



FRANCE
 GENCOD-EAN FRANCE (JOINED IN 1977)
 2 RUE MAURICE HARTMANN
 92137 ISSY LES MOULINEAUX CEDEX
 TEL: 33 1 40 95 54 10
 FAX: 33 1 40 95 54 49
 E-MAIL: INFOS@GENCOD-EAN.FR
 WEB SITE: WWW.GENCOD-EAN.FR

>
 GENCOD-EAN FRANCE published two brochures in collaboration with ECR France: Integration of EDI and Product Information.

It also issued a user's manual for logistics on the use of EAN labels and EANCOM® messages. The use of EAN•UCC standards in building materials, sporting goods, and textiles is progressing through several working groups. Due to GENCOD-EAN FRANCE's efforts in the healthcare sector, the use of EAN•UCC barcodes and standards is continuing to rise. GENCOD-EAN FRANCE has been active in developing an electronic catalogue now used in the DIY sector. It has also progressed in coding all technical characteristics for product descriptions in DIY and electronic appliances.



▶ GEORGIA

EAN GEORGIA (JOINED IN 1996)
11 CHAVCHAVADZE AVE.
380079 TBILISI
TEL: 995 32 29 33 75
FAX: 995 32 23 57 60
E-MAIL: KTM@EAN.KHETA.GE
WEB SITE: WWW.GCCI.ORG.GE/EAN.HTM

>

Due to EAN GEORGIA's promotional efforts, the number of users has increased by 27% over 1997. New sectors include pharmaceutical production. During 1998, EAN Georgia liaised with authorities from the Georgian Ministry of Transport to prepare for EAN GEORGIA's collaboration with the EU Project TRACECA (TRANSPORT Corridor Europe-Caucasus-Asia).



▶ GERMANY

CCG CENTRALE FÜR COORGANISATION GMBH
(JOINED IN 1977)
MAARWEG 133
50825 KÖLN
TEL: 49 221 947 14 - 0
FAX: 49 221 947 14 - 990
E-MAIL: INFO@CCG.DE
WEB SITE: WWW.CCG.DE

>

1998 showed another considerable increase in the number of new CCG member companies. The new members came from a large variety of industries: chemicals, furniture, meat, healthcare, and transport. CCG pursued many activities in the transport, healthcare, and agricultural sectors, as well as in publishing, textiles and furniture. These activities included exhibitions, regular workshops, press talks "Kölner Gespräche", presentations, and informational meetings with manufacturers and user groups. During 1998, the number of implementations of the UCC/EAN-128 transport label continued to increase tremendously.



▶ GREECE

EAN HELLAS - HELL.C.A.N. SA, HELLENIC CENTRE
OF ARTICLE NUMBERING (JOINED IN 1985)
5, AGHIOU DIMITROU SQ. & 2, DIOM. KYRIAKOU STR.
145 62 KIFISSIA,
ATHENS
TEL: 30 1 8083 931
FAX: 30 1 8019 156
E-MAIL: HELLCAN@ELKESH.P.ATH.FORTHNET.GR

>

Great success has been achieved in the healthcare sector through intensive promotion, as well as targeting hospitals and healthcare software providers. EAN HELLAS has been marketing the EAN•UCC system in the Greek defence sector. It organised many in-house training

seminars in collaboration with ECR HELLAS, to increase retailers' knowledge of EAN•UCC developments. EAN HELLAS pursued extensive lobbying in new potential sectors of application such as petrochemical companies and the police.



▶ GUATEMALA

EAN GUATEMALA (JOINED IN 1998)
RUTA 6 9-21, ZONA 4 EDIFICIO CÁMARA DE INDUSTRIA
NIVEL 5.
GUATEMALA
TEL: 502 334 1327
FAX: 502 332 6658
E-MAIL: ICCCTOLE@GUATE.NET
WEB SITE: WWW.EANGUATEMALA.COM.GT

>

EAN GUATEMALA organised several conferences and seminars for the finance sector, label manufacturers, and for ECR and category management. It also supported the textile and shoe industries with technical assistance. EAN GUATEMALA worked closely with companies in the healthcare industry. In December 1998, EAN GUATEMALA began testing EDI for industry and commerce.



▶ HONG KONG

HKANA HONG KONG ARTICLE NUMBERING ASSOCIATION
(JOINED IN 1989)
UNIT B, 22/F UNITED CENTRE, 95 QUEENSWAY
HONG KONG, CHINA
TEL: 852 2861 2819
FAX: 852 2861 2423
E-MAIL: INFO@HKANA.ORG
WEB SITE: WWW.HKANA.ORG

>

HKANA's Electronic Commerce/EDI services successfully targeted the grocery, healthcare, electronics, and apparel sectors. HKANA recently launched the web-based EZ*TRADE Electronic Commerce Service that provides small and medium sized enterprises with an easy-to-use and affordable EDI solution. To educate exporters on the benefits of Export Supply Chain Management (SCM), HKANA organised the first Export SCM Conference with over 200 participants. HKANA's newly established SCM Resource Centre offers information and education for potential users. The services available include the official Scorecard (which has been endorsed as the Asian SCM Scorecard at the Asian ECR Council), as well as benchmarking and demonstrations to display different software applications on various SCM business processes.



▶ HUNGARY

HPMA - HUNGARIAN PACKAGING AND MATERIALS HANDLING
ASSOCIATION (JOINED IN 1984)
RIGÓ U. 3.
1085 BUDAPEST
TEL: 36 1 313 7034
FAX: 36 1 333 8170
E-MAIL: CSAOSZ@MAIL.INTERWARE.HU

>

HPMA organised several seminars targeting the healthcare and packaging sectors. HPMA also focused its efforts on the national ECR group and successfully promoted the EANCOM® standard. It also continued international involvement in the electronic catalogues project.



▶ ICELAND

EAN ICELAND (JOINED IN 1984)
 ICETEC, KELDNAHOLTI
 112 REYKJAVIK
 TEL: 354 570 7100
 FAX: 354 570 7111
 E-MAIL: KMO@EAN.IS
 WEB SITE: WWW.EAN.IS

>

EAN ICELAND launched a project on Lite EDI and continued its work on XML EDI. It further promoted the use of the EAN•UCC system and of EDI in a large range of industries. EAN ICELAND issued several new brochures.



▶ INDIA

EAN INDIA (JOINED IN 1995)
 7C, VANDHNA BUILDING, TOLSTOY MARG
 NEW DELHI - 110 001
 TEL: 91 11 371 9638, 371 3117/2
 FAX: 91 11 371 9626
 E-MAIL: EAN@NDA.VSNL.NET.IN

>

EAN INDIA had a very successful year due to its manifold marketing and promotional activities. Major breakthroughs were achieved in the retail, manufacturing (automotive sector), and export industries. Further progress is expected in the pharmaceutical sector. EAN INDIA has launched an aggressive programme through direct contact with industry leaders in different segments to incorporate barcodes and EAN•UCC numbers on products for domestic sale.



▶ INDONESIA

EAN INDONESIA (JOINED IN 1993)
 J.L. RP SUROSO No.26
 JAKARTA 10650
 TEL: 62 21 325 800
 FAX: 62 21 310 33 57
 E-MAIL: EAN-INDO@INDOLA-NET.ID

>

EAN INDONESIA promoted the EAN•UCC system in many sectors, including food and beverages, tobacco, textiles and apparel, publishing, chemicals, healthcare, plastics, wholesale and retail trade, as well as transport and public procurement. EAN INDONESIA organised company visits, seminars and lectures, professional programmes for executives, and software demonstrations in co-operation with suppliers.



▶ IRAN

EAN IRAN (JOINED IN 1996)
 240 NORTH KARGAR STREET, ITR BUILDING
 P.O. Box 14155-5965
 TEHRAN
 TEL: 98 21 643 99 02-5
 FAX: 98 21 643 99 01
 E-MAIL: CHERAGI@IRTP.COM

>

EAN IRAN promoted the EAN•UCC system through several services and activities including training and information seminars. Due to EAN IRAN's efforts, the symbology specifications for the EAN/UPC barcodes are now the approved national standard. Work on gaining recognition for other symbology standards, including the ITF-14, has

just started. EAN IRAN also successfully hosted the EDICOM 98 conference, and the 16th ASEB (Asian Edifact Board) meeting. EAN IRAN also took over the responsibilities of the Iranian EDIFACT committee. The Managing Director of EAN IRAN is now also the secretary of the national EDIFACT committee.



▶ IRELAND

EAN IRELAND (JOINED IN 1992)
 CONFEDERATION HOUSE, 84/86 LOWER BAGGOT STREET
 DUBLIN 2
 TEL: 353 1 6051534, 353 1 6051535
 FAX: 353 1 6381534, 353 1 6381535
 E-MAIL: INFO@EAN.IE
 WEB SITE: WWW.EAN.IE

>

EAN IRELAND successfully held two workshops on the basics of article numbering and barcoding, and on the potential benefits of the EAN•UCC system in the healthcare sector. Several meetings were held with industry leaders in new sectors, with a focus on the healthcare sector. Two new levels of membership have been formed: global location number and small retailer membership. A series of information brochures for small and independent retailers on scanning issues has been issued. EAN IRELAND and ECR Ireland co-hosted the "Electronic Commerce enabling ECR" conference. It was aimed at educating senior managers from both grocery retail and supply companies on the concepts of ECR, and on the advantages of electronic commerce facilitating ECR.



▶ ISRAEL

EAN ISRAEL - ISRAELI BARCODE ASSOCIATION
 (JOINED IN 1984)
 INDUSTRY HOUSE, 29 HAMERED ST
 P.O.B. 50022
 TEL AVIV 61500
 TEL: 972 3 519 88 39
 FAX: 972 3 516 20 82
 E-MAIL: FOOD@INDUSTRY.ORG.IL

>

EAN ISRAEL focussed its activities on the retail sector. Further promotion in the healthcare and textile sectors is also being examined. An EDI pilot is running successfully. EAN ISRAEL issued a publication guideline concerning despatch units UCC/EAN-128 and ITF-14. The organisation began work on an electronic catalogue. Intensive barcode verification will be continued.



▶ ITALY

INDICOD - ISTITUTO NAZIONALE PER LA DIFFUSIONE
 DELLA CODIFICA DEI PRODOTTI (JOINED IN 1977)
 VIA SERBELLONI, 5
 20122 MILANO
 TEL: 39 2 777 2121
 FAX: 39 2 784 373
 E-MAIL: INDICOD@INDICOD.IT
 WEB SITE: WWW.INDICOD.IT

>

INDICOD is looking back on a very successful year. INDICOD launched a meat supply chain workgroup. Participants come from retail, production, meat associations, and meat processors. The objectives are the implementation of EAN International's proposal for meat traceability and the expansion of INDICOD's membership base. As partner of the Italian Ministry of Cultural Properties,

INDICOD started a major research project to use the EAN•UCC system for cataloguing and managing Italian cultural properties such as museums and libraries. INDICOD co-ordinates a program on the EURO for fast moving consumer goods. This involves the most authoritative associations in the consumer goods sector for all EURO transition issues. INDICOD has been successfully involved in a number of electronic commerce projects for food and non-food sectors.



JAPAN

DCC - DISTRIBUTION CODE CENTER (JOINED IN 1978)
 3F PLACE CANADA 7-3-37 AKASAKA MINATO-KU
 TOKYO 107-0052
 TEL: 81 3 5414 8505
 FAX: 81 3 5414 8514
 E-MAIL: MSATO@DSRI-DCC.OR.JP
 WEB SITE: WWW.IIJNET.OR.JP/DSRI-DCC/

DCC has been involved in many different programmes, from a pilot test on the EANCOM® Electronic Data Interchange (EDI) standard to ECR/CRP (Continuous Replenishment Programme). Currently, DCC is working on the development of data messages for EDI.



JORDAN

EAN JORDAN - JORDAN NUMBERING ASSOCIATION
 (JOINED IN 1997)
 C/o JEDCO
 P.O. Box 7704
 AMMAN 11118
 TEL: 962 6 5603507
 FAX: 962 6 5684568
 E-MAIL: EAN@JEDCO.GOV.JO

EAN JORDAN has successfully focused its activities on the retail sector. Three of the major retail chain stores have already adopted the EAN•UCC system. All suppliers are now obliged to barcode their products with EAN•UCC Global Trade Item Numbers. Activities for barcode equipment suppliers, retailers, and senior management from other industries included site visits and training seminars. The aim was to help educate these parties on the concepts and applications of barcodes.



KAZAKHSTAN

EAN KAZAKHSTAN (JOINED IN 1996)
 299, BAIZAKOV STR.
 ALMATY
 TEL: 7 3272 479348
 FAX: 7 3272 479348
 E-MAIL: INFO@EAN.ALMATY.KZ
 WEB SITE: WWW.EAN.KZ

EAN KAZAKHSTAN offered a wide range of training courses and seminars for managers and technical staff of its member companies. Due to its efforts, EAN KAZAKHSTAN's membership base rose dramatically in 1998.



LATVIA

EAN LATVIA - LATVIAN CHAMBER OF COMMERCE AND
 INDUSTRY BUREAU (JOINED IN 1994)
 BRIVIBAS BLVD. 21
 RIGA LV-1849
 TEL: 371 33 32 27
 FAX: 371 33 22 76
 E-MAIL: LIENE@SUN.LCC.ORG.LV
 WEB SITE: SUN.LCC.ORG.LV/EAN/INDEX.HTML

EAN LATVIA has launched a working group for the implementation of EANCOM®. Its primary goals are the adoption of EANCOM® messages, the promotion of EDIFACT and EANCOM® in Latvia, and the establishment of close working relationships between the members of EAN LATVIA, governmental institutions, network service providers, and other interested parties.



LEBANON

EAN LEBANON (JOINED IN 1996)
 CCIAB BLDG
 JUSTINIAN STREET/SANAYEH
 P. O. Box 11
 1801 BEIRUT
 TEL: 961 1 744 774, 744 764, 349 614
 FAX: 961 1 743 377
 E-MAIL: INFO@EAN-LEBANON.ORG.LB
 WEB SITE: WWW.EAN-LEBANON.ORG.LB

EAN LEBANON has successfully targeted companies from a large range of industries including retail, healthcare, and the public sector. The objective has been to promote the use of EANCOM® along the supply chain and to support ECR activities. EAN LEBANON worked on launching EDI and electronic signatures. Several seminars were held in co-operation with the UN-ESCWA, attended by high level ministers, public servants and managers.



LITHUANIA

EAN LITHUANIA (JOINED IN 1994)
 V. KUDIRKOS STR. 18
 2600 VILNIUS
 TEL: 370 2 614532
 FAX: 370 2 621403
 E-MAIL: EANLT@TDD.LT

In co-operation with the Association of Small Retail Companies, EAN LITHUANIA discussed a unified system for stores using the prefixes 20-29 for internal applications. One of the main topics was the quality of barcode printing. The Association of Small Retail Companies and the Confederation of Lithuanian Manufacturers showed great interest in the implementation of EDI in Lithuania. Due to EAN LITHUANIA's efforts, more than 100 companies started to mark their products with EAN•UCC barcodes. A similar success was achieved in the retail sector. The number of stores in this sector using the EAN•UCC system grew remarkably.



UNH•NEO

UNH•NEO001+ORDERS.D:96A:UN:EA0007 BGM+220

MACEDONIA

EAN MAC (JOINED IN 1994)
ECONOMIC CHAMBER OF MACEDONIA
"DIMITRIC CUPOVSKI" - 13, SKOPJE
TEL: 389 91 118 088
FAX: 389 91 116 210
E-MAIL: EAN@IC.MCHAMBER.ORG.MK
WEB SITE: WWW.MCHAMBER.ORG.MK

EAN MAC launched a co-operation with several supermarkets to use scanners and barcodes at the POS. It concentrated its efforts on the implementation of the EAN•UCC system and the growth of its membership base. On several occasions, EAN MAC successfully presented the benefits of the EAN•UCC system for trade and industry.



MAURITIUS

EAN MAURITIUS (JOINED IN 1994)
5, ROYAL STREET
PORT LOUIS
TEL: 230 208 3301
FAX: 230 208 0076
E-MAIL: MCCI@INTNET.MU
WEB SITE: WWW.MCCI.ORG

EAN MAURITIUS has initiated an awareness campaign on the advantages of the EAN•UCC system. Due to its efforts, several supermarket chains recently introduced EAN•UCC standards.



MALAYSIA

MANC - MALAYSIAN ARTICLE NUMBERING COUNCIL
(JOINED IN 1988)
WISMA FMM, No. 3 PERSEKUTUAN DAGANG, PJU9
BANDAR SRI DAMANSARA
52200 KUALA LUMPUR,
TEL: 603 6361211
FAX: 603 6341266/ 6347288
E-MAIL: MANC@FMM.ORG.MY
WEB SITE: WWW.FMM.ORG.MY

MANC successfully focussed its activities on the retail sector. This included briefings on EAN•UCC applications in the supply chain. Demonstrating the benefits was especially important since the Malaysian Ministry of Domestic Trade and Consumer Affairs decided to exempt retailers from having to individually price tag their goods for sale (as required under the Law) if they adopt barcode scanning in their checkout operations. MANC promoted the EAN•UCC system within the healthcare sector and initiated ECR activities. The ECR Board will be comprised of suppliers, retailers and distributors and will be serviced by MANC.



MEXICO

AMECE - ASOCIACIÓN MEXICANA DE ESTÁNDARES PARA EL COMERCIO ELECTRÓNICO A.C. (JOINED IN 1987)
HORACIO No. 1855 PISO 6
COL. CHAPULTEPEC MORALES
MEXICO, D.F.C.P. 11570
TEL: 525 395-2044
FAX: 525 395-2038
E-MAIL: AMECE@ISERVE.NET.MX
WEB SITE: WWW.AMECE.COM.MX

AMECE successfully positioned the organisation as a solutions-provider for multiple industries including healthcare, automotive and telecommunications. Within the retail sector, AMECE promoted the further use of barcodes and the use of electronic catalogues. Local governments and banks showed great interest in electronic invoicing. Other activities included the organisation of the first EDI convention, an ECR project in healthcare and several pilot tests for the use of UCC/EAN-128 in the industrial/commercial sector and the transportation sector.



MALTA

EAN MALTA (JOINED IN 1992)
5, BIENVENIDO COURT, ST. LUKE'S ROAD
GUARDAMANGIA MSD 07
TEL: 356 245 415
FAX: 356 245 462
E-MAIL: INFO@EANMALTA.ORG.MT
WEB SITE: WWW.EANMALTA.ORG.MT

EAN MALTA targeted the healthcare and defence sectors. Currently, discussions at the ministerial level are being pursued on the adoption of the EAN•UCC system within these two sectors. EAN MALTA has increased its staff. It is now able to offer new services to its members. This includes a Training Centre and a Library/Documentation Centre. Another priority is the launching of an EDI system: EAN MALTA is in the process of finalising discussions and negotiations with interested parties in the public and private sectors. The organisation has also commenced discussions with the Malta Standards Authority to protect and enforce the EAN•UCC system through legislation.



MOLDOVA

EAN MOLDOVA - NATIONAL ASSOCIATION OF THE AUTOMATIC IDENTIFICATION (JOINED IN 1995)
63 M. KOGALNICEANU STR.
MD 2009, KISHINEV
TEL: 373 2 24 53 29
FAX: 373 2 24 16 69
E-MAIL: MDEAN@CNI.MD
WEB SITE: WWW.EAN.MD

EAN MOLDOVA continued its co-operation with the Moldavian Book Chamber (ISBN Agency). It published a joint brochure on the use of EAN•UCC specifications for books and periodicals. EAN MOLDOVA promoted the use of the EAN•UCC system in the pharmaceutical and non-food sector. Several guidelines on labels, despatch units, implementation of the EAN•UCC symbology, and location numbers were published. EAN MOLDOVA also launched its new web site.



123456789010:

UNH+NE00001+ORDERS.D:96A:UN:EAH008'BGM+220

ORDERS.D:96A:UN:EAH008'BGM+220+12875'DTM+137:19930830:102'FTX+ZZZ+1+001 :9'RFH+C1:652744'DTM+171:19 930825:102'NAD+BY+54

MOROCCO

EAN MAROC (JOINED IN 1993)
207, BD ZERKOUNI, APPT. 30
CASABLANCA
TEL: 212 2 44 73 50
FAX: 212 2 44 73 31

>

Promotion and development in non-food sectors such as chemicals and plastics are on-going. EAN MAROC is co-operating with industry associations interested in promoting EAN•UCC standards. The number of companies using these standards in the retail and electrical appliances sectors rose due to EAN MAROC's efforts.



NETHERLANDS

EAN NEDERLAND (JOINED IN 1977)
POSTBUS 90445
1006 BK AMSTERDAM
TEL: 31 20 511 3820
FAX: 31 20 511 3830
E-MAIL: INFO@EANNL.COM, JZWAGER@EANNL.COM
WEB SITE: WWW.EANNL.COM

>

EAN NEDERLAND continued operations in the food sector with its EDI Service Centre to educate, test, and certify user companies for the use of Dutch EANCOM® user profiles for ORDER, DESADV, APERAK and INVOIC. Current projects include the EURO, applications of coding systems, and EANCOM® for produce. EAN NEDERLAND is also involved with tracking and tracing of (bovine) meat and is starting a project on RSS in variable measure. The organisation worked on a project for container transport and on a survey on applications of EAN•UCC standards for air transportation. In the growing area of DIY stores, EAN NEDERLAND updated existing EANCOM® user profiles. Its EDI Service Center focussed on setting up a customer service department, expanding barcode verification, developing a "Starters Disk" and on creating new introduction courses. EAN NEDERLAND is continuing its operations in data alignment.



NEW ZEALAND

EAN NEW ZEALAND INCORPORATED (JOINED IN 1981)
LEVEL 2, MAINZEAL HOUSE
181 VIVIAN STREET
WELLINGTON
TEL: 64 4 801 0833
FAX: 64 4 801 0830
E-MAIL: EAN.NZ@EAN.CO.NZ
WEB SITE: WWW.EAN.CO.NZ

>

In the food sector, EAN NEW ZEALAND targeted dairy, meat, fish, and fruits companies using the SSCC standard for tracking and tracing. One of its achievements includes an agreement for using Application Identifiers (AIs) for trade units in the food industry. It also attained an agreement for the use of EAN•UCC standards as the primary identifier in the pharmaceutical industry. In healthcare, an agreement has been formed to use EAN•UCC standards. Other projects include the completion of the Supply Chain CD-ROM. EAN NEW ZEALAND created a staff position to handle electronic messaging and developed a proactive, strategic plan for electronic commerce.



NICARAGUA

EAN NICARAGUA - INSTITUTO NICARAGUENSE DE CODIFICACIÓN (JOINED IN 1998)
ROTONDA EL GUEGUENSE
300 MTS. AL SUR,
EDIFICIO CÁMARA DE INDUSTRIAS.
TEL: 505 266 8848, 505 266 8851
FAX: 505 266 1891
E-MAIL: INC@TERAN.COM.NI

>

EAN NICARAGUA focussed on manufacturing as the principal market sector, with food being the most popular product. In December 1998, EAN NICARAGUA successfully reached an agreement with the first Nicaraguan supermarket chain "La Colonia Supermarket" to use scanning barcode systems. It will now serve as a leader for other retailers.



NORTH KOREA

EAN DPR KOREA (JOINED IN 1999)
JUNG GU YOK, SEUNGLI-STREET
PYONGYANG
TEL: 850 2 381 6025
FAX: 850 2 381 4537

>

EAN DPR KOREA will start its operations in the course of 1999.

NORWAY

EAN NORGE (JOINED IN 1977)
SPIREAVEIEN 6, POSTBOKS 454 ØKERN
0513 OSLO
TEL: 47 22 97 13 20
FAX: 47 22 65 56 21
E-MAIL: FIRMAPOST@EAN.NO
WEB SITE: WWW.EAN.NO

>

EAN NORGE participated in a project team working on labels for transport cases and pallets for the fishing industry and the transport sector. The UCC/EAN-128 barcode symbology was used. EAN NORGE has also focused on the use of EAN•UCC standards in the construction sector and the furniture industry. EAN NORGE organised several training programs and conferences including the first annual conference "EAN Dagen". One of the major projects was the production of a CD-ROM showing the use of EAN•UCC standards in the value chain.



PANAMA

EAN PANAMA (JOINED IN 1998)
VIA TRANSISTMICA, EDIF. 1000, SEGUNDO PISO,
OFICINA 228
PANAMA
TEL: 507 261 4450
FAX: 507 261 4523
E-MAIL: EANPANAMA@ORBI.NET

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Presently, EAN PANAMA's primary target is the retail sector. New targets will include textiles, healthcare, and publishing.



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ORDERS:9:6A:UN:EAN008'5GH:220:128576'DTM:137:19930830:102'FTX:ZZI:1:001

PARAGUAY

EAN PARAGUAY (JOINED IN 1994)
 ANTEQUERA 611 C/ AZARA, 1ER. PISO, OFICINA 4,
 ASUNCION
 TEL: 595 21 442.108
 FAX: 595 21 442.108
 E-MAIL: EAN@UNINET.COM.PY

EAN PARAGUAY offers various courses, seminars, and bulletins to its members. In 1998, it successfully targeted the healthcare sector, incorporating 10 pharmaceutical companies as members with more than 1,400 products. EAN PARAGUAY's strategy for market penetration has included processing codified invoices from utility companies and the codification of banks and their agencies (collectors). With this newly created platform, EAN PARAGUAY will market these "carriers" for EDI messages.



PERU

EAN PERU (JOINED IN 1989)
 AV. JAVIER PRADO OESTE 2150
 SAN ISIDORO, LIMA
 TEL: 511 2211000
 FAX: 511 4400270
 E-MAIL: EANPERU@EANPERU.ORG.PE

EAN Peru collaborated successfully with the local ISBN Agency. It has also been very active in promoting the use of the EAN•UCC system in healthcare, customs, textiles, and construction. It also continued promoting barcoding, EDI, and ECR with bi-weekly education and training workshops. It is currently working closely with the national social security organisation on barcode implementation matters. As Technical Secretary of ISO Peru, EAN PERU has developed several national standards in barcodes and EDI. EAN PERU is also working on a national ECR initiative, which will examine potential savings in supply chain management. One of the most important achievements in EDI was the interconnection of all VANs that offer EDI services in Peru.



PHILIPPINES

PANC - PHILIPPINE ARTICLE NUMBERING COUNCIL,
 INC. (JOINED IN 1993)
 20 SAN RAFAEL ST. BO. KAPITOLYO, PASIG CITY
 TEL: 632 6370897-98, 6330878
 FAX: 632 6314631
 E-MAIL: PANC@PANC.ORG.PH
 WEB SITE: WWW.PANC.COM

PANC successfully held several seminars for multiple industries. The organisation participated in the Philippine Num Bar Tech '98 exhibition. In addition, PANC hosted the RNOMM '98 for the Asia-Pacific Region and the Asian ECR conference.



UNH+MEO

UNH+MEO001+ORDERS:D:96A:UN:EAN008'BGH+220

UNH+MEO001+ORDERS:D:96A:UN:EAN008'BGH+220

9'RF+CI:652744'DTH+171:19930825:102'WAB+BY+54123450000010:

ORDERS:D:96A:UN:EAN008'BGH+220+128576'DTH+157:19930830:102'FTA+222+1+001

POLAND

EAN POLAND (JOINED IN 1990)
 INSTITUTE OF LOGISTICS AND WAREHOUSING
 UL. ESTKOWSKIEGO 6,
 61-755 POZNAN
 TEL: 48 61 8527681
 FAX: 48 61 8526376
 E-MAIL: CKK@ILIM.POZNAN.PL
 WEB SITE: WWW.EAN.PL

EAN POLAND reached an agreement with the Ministry of Health, Department of Pharmacy, and manufacturers and distributors of pharmaceuticals. The agreement involves introducing EAN•UCC numbers to the national drug registry and to paramedical materials, setting a mandate for barcoding products. In collaboration with shoe manufacturers' representatives, the Institute of Leather Industry, and the Polish Chamber of Leather Industry, EAN POLAND established a workgroup for developing sector-specific guidelines for implementing EAN•UCC standards. It also conducted a meeting on EAN•UCC barcodes in the cable supply chain with all important parties involved. The meeting resulted in the development of national, sector-specific guidelines for implementing EAN•UCC standards. EAN POLAND developed a national solution on coding coupons, value bonds and rebate cards in co-operation with clearing houses, retailers, manufacturers, software houses and cash register providers.



PORTUGAL

CODIPOR (JOINED IN 1986)
 RUA PROFESSOR FERNANDO DA FONSECA, 16
 1600 LISBOA
 TEL: 351 1 757 62 54
 FAX: 351 1 759 95 08
 E-MAIL: CODIPOR@CODIPOR.MAILPAC.PT

CODIPOR organised a large number of training seminars on barcoding and on EDI/EANCOM®. It also offered seminars for schools giving an overview of the EAN•UCC system. During 1998, CODIPOR published an EDI user profiles manual for major retailers, evaluating the use of a unique user profile for the INVOIC message. CODIPOR also created a national electronic catalogue with 17 major retailers and manufacturers. Other projects include translating and publishing EAN International's "Introduction to EANCOM® in Trade and Transport". CODIPOR is currently developing implementation guidelines for EDI messages for the insurance sector and upgrading its GCC/EANCOM® change requests database.



ROMANIA

EAN ROMANIA (JOINED IN 1994)
 13 MEXIC ST., 1WARD
 BUCAREST 71206
 TEL: 40 1 230 13 02
 FAX: 40 1 230 14 67
 E-MAIL: EAN@EAN.RO
 WEB SITE: WWW.EAN.RO

EAN ROMANIA is establishing alliances with several local organisations, creating technical links with the local ISBN and initiating contacts with the healthcare agency HOPE, the association ARIEPA, and several transportation providers. The number of members significantly increased due to EAN ROMANIA's efforts. The organisation now is focussing on extending its user base into new sectors such as manufacturing and construction. EAN ROMANIA organised several technical seminars for county chambers of commerce.



RUSSIAN FEDERATION
 UNISCAN/EAN RUSSIA AUTOMATIC IDENTIFICATION
 ASSOCIATION (JOINED IN 1986)
 53, PROSPEKT VERNADSKOGO, FLOOR 9
 P.O. Box 4
 MOSCOW 117415
 TEL: 7 095 432 76 12
 FAX: 7 095 432 9565
 E-MAIL: INFO@EAN.RU
 WEB SITE: WWW.EAN.RU

>
 UNISCAN/EAN RUSSIA focussed on developing specifications for EAN•UCC standards, automatic identification terminology, parameters for film masters, and verification standards for the most widely used barcode symbologies. The EAN•UCC system has achieved deeper penetration in the medical industry, due to an agreement with the Russian Health Ministry to use EAN•UCC numbers for a pharmaceutical and medical device database. EAN RUSSIA, together with AIM Russia, organised the Etiketta (Label) '98 international exhibition in Moscow. It also organised a series of training seminars. EAN RUSSIA is currently uploading the UNISCAN/EAN RUSSIA's electronic catalogue using EANCOM® messages. Within UNISCAN/EAN RUSSIA's GOST R/TC 355/SC3 "EDI/EANCOM®", work is underway to involve customs bodies in automatic data identification. EAN RUSSIA and customs experts are now developing new EANCOM® messages: CUSDEC and CUSRES. The EDI-UNISCAN project entered its pilot stage, providing access to the UNISCAN/EAN RUSSIA electronic catalogue via EANCOM® messages.



SINGAPORE
 SANC SINGAPORE ARTICLE NUMBER COUNCIL (JOINED
 IN 1987)
 SMA HOUSE, 20 ORCHARD ROAD
 SINGAPORE 238830
 TEL: 338 8787
 FAX: 336 8946
 E-MAIL: JIN_SOON.TAN_SANC@SCI.ORG.SG
 WEB SITE: WWW.SANC.ORG.SG

>
 SANC has created strategic alliances in the book sector. With the Singapore National Library Board administering ISBN, SANC has arranged for the technical director of the Library Board to become a member of SANC's Technical Committee. SANC also provides help to companies on ISBN technical matters. SANC's aim is to promote EAN•UCC numbers to bookstores and to assist in implementing POS scanning. SANC is also targeting the logistic sector by promoting EAN•UCC barcodes for central warehousing to facilitate ECR. In the grocery sector, SANC is promoting the ECR Singapore secretariat and co-ordinating eight workgroups under ECR Singapore. SANC is working to achieve data alignment for the National Electronic Product Catalogue. To promote electronic procurement using EANCOM® over the internet, SANC has conducted hands-on training for small and medium-sized retailers to familiarise them with the procedures of operating the EANCOM® Purchase Order message. It has also conducted nine in-house seminars on EAN•UCC systems and EANCOM®.



UNH#ME0001

UNH#ME0001:ORDERS:D:96A:UN:EAN008'6GM#220

UNH#ME0001:ORDERS:D:96A:UN:EAN008'6GM#220

:S'RF#CI:652784'DTM:171:19930825:102'NAD:BY:5412345000010:

ORDERS:D:96A:UN:EAN008'6GM#220:128576'DTM:137:19930830:102'FIX#ZZ:1+001

SLOVAKIA
 EAN SLOVAKIA (JOINED IN 1994)
 NANTERSKA 23
 010 08 ZILINA
 TEL: 421 89 65 11 85
 FAX: 421 89 65 11 86
 E-MAIL: INFORM@EAN.SK
 WEB SITE: WWW.EAN.SK

>
 EAN SLOVAKIA continues to offer assistance with EDI to a large variety of industries, including wholesale, retail, railway transport, packaging, and education. It is currently collaborating with state authorities to update its member database. It has also begun using new Network Application software for the registration. This software stores all data required for the annual statistics and will ensure computer safeguards for entering the next millennium.



SLOVENIA
 SANA SLOVENIAN ARTICLE NUMBERING ASSOCIATION
 (JOINED IN 1992)
 DIMICEVA 13
 1000 LJUBLJANA
 TEL: 386 61 18 98 321
 FAX: 386 61 18 98 323
 E-MAIL: SANA@S5.NET
 WEB SITE: WWW.EAN.ATNET.SI

>
 SANA focussed on the banking sector, encouraging co-operation with the Bank Slovenia Project team by providing EDI standards for transactions between banks and SANA members. It provided professional support to members on EDI matters. One of its major achievements was passing EANCOM® as the national standard. SANA translated a number of publications including the EDI terminology, ISO 9735, EANCOM® databases within EDIFIX, Ten Standard Message Guides, and several EAN International brochures ("Introduction to EANCOM® in Trade and Transport", "Introduction to EANCOM® in Trade and Finance"). It also developed a register for Location Numbers.



SOUTH AFRICA
 EAN SOUTH AFRICA (JOINED IN 1982)
 P.O. Box 41417
 CRAIGHALL 2024
 TEL: 11 341 0231
 FAX: 11 341 0278
 E-MAIL: INFO@SAANA.CO.ZA
 WEB SITE: WWW.SAANA.CO.ZA

>
 EAN SOUTH AFRICA works closely with ISBN and ISSN. It converts ISBN and ISSN numbers into EAN•UCC numbers and provides an informational packet. In the healthcare sector, it regularly liaises with the Department of Health which is responsible for 80% of all purchases of drug and ethical products. EAN SOUTH AFRICA is also represented on the Private Health Information Systems Committee and Message Design S/C and Coding Standards S/C. In the transport sector, it is represented at the S A Bureau of Standards Transport Working Group and liaises closely with the National Transportation body. Other activities included the establishment of a National Product Data Catalogue (PDC) Task Group and a PDC Systems Committee for the investigation of the implementation of national PDCs.



SOUTH KOREA

EAN KOREA (JOINED IN 1988)
6TH FLOOR TEXTILE CENTER BUILDING
944-31, DAECHI-DONG, KANGNAM-KU
SEOUL, 135-713
TEL: 82 2 528 5454
FAX: 82 2 528 5450
E-MAIL: ADMIN@EANKOREA.ORG.KR
WEB SITE: WWW.EANKOREA.ORG.KR

EAN KOREA participated in the National Library of Korea committee meetings as a member organisation and assisted reviewing the add-on codes for books. During 1998, EAN KOREA focused on the food sector, by conducting a research study on current business processes of major manufacturers, wholesalers, logistics service providers, and retailers. It identified operational problems and offered more efficient and effective business solutions. EAN KOREA plans to launch a Supply Chain Management (SCM) pilot project after establishing the SCM/ECR Committee. The organisation successfully held a SCM seminar to improve the visibility of SCM among Korean companies. In co-operation with the Korea Textile Industry Association, it finished phase 1 of the 5-year Quick Response pilot project.



SPAIN

AECOC - ASOCIACION ESPANOLA DE CODIFICACION COMERCIAL (JOINED IN 1978)
RONDA GENERAL MITRE, 10
08017 BARCELONA
TEL: 93 252 39 00
FAX: 93 280 21 35
E-MAIL: INFO@SEDE.AECOC.ES
WEB SITE: WWW.AECOC.ES

AECOC is rapidly advancing barcoding in the DIY and hardware sectors. It is also developing EANCOM® implementation guidelines in the healthcare, pharmaceutical and electronics sectors. AECOC recently formed a project for using EANCOM® in public procurement of healthcare and pharmaceutical products. Promotional activities focused on white and brown products, home electronics, automotive spare parts, textiles and shoes, sporting goods, furniture, furnishing, and catering. AECOC also conducted an extensive barcoding quality analysis with nearly 10,000 products from almost 2,000 companies. The association organised the 13th Annual Congress with more than 800 top managers from Spain's most prominent companies participating. It celebrated TECNOMARKETING '98 with attendance of more than 200 marketing managers and professionals. TECNOMARKETING '98 hosted AECOC's technical meetings, with more than 550 professionals participating as well as the first ECR Spain Conference. AECOC started developing a model for a product database.



SRI LANKA

EAN SRI LANKA (JOINED IN 1995)
C/O THE CEYLON CHAMBER OF COMMERCE
NO.50, NAVAM MAWATHA
COLOMBO 2
TEL: 94 1 421 7455-7
FAX: 94 1 449 352
E-MAIL: CHAMBER2@SRI.LANKA.NET

EAN SRI LANKA continued raising EAN•UCC visibility in Sri Lanka and increasing its membership base.



SWEDEN

STIFTELSEN EAN SVERIGE (JOINED IN 1977)
Box 1178
111 91 STOCKHOLM
TEL: 46 8 698 30 40
FAX: 46 8 698 30 49
E-MAIL: INFO@EAN.SE
WEB SITE: WWW.EAN.SE

EAN SVERIGE is involved in the healthcare and construction sectors, with several national projects. The organisation works closely with the transport sector on defining EAN•UCC rules for a national transport label. In the meat sector, EAN SVERIGE became involved in the national project for the Meat Supply Chain. EAN SVERIGE expects user profiles to be finished by the end of 1999.



SWITZERLAND & LIECHTENSTEIN

EAN SWITZERLAND (JOINED IN 1977)
DORNACHERSTRASSE 230
4053 BASEL
TEL: 41 61 338 70 00
FAX: 41 61 338 70 99
E-MAIL: MAIL@EAN.CH
WEB SITE: WWW.EAN.CH

EAN SWITZERLAND has good penetration in the healthcare sector, as the primary groups are recommending the use of the EAN•UCC system. New contacts have been established with FMH (Swiss medical doctors' association). FMH is working on a new tariff for medical services, which must be approved by government bodies and the health insurers. Each tariff position (i.e. service) will be identified by the EAN•UCC system. In the transport sector, EAN SWITZERLAND is chairing the TRANS-CORE project team that contains a subgroup dealing with air transportation. It maintains close contacts with FIATA. The organisation is also working with IATA and several airlines, investigating the use of SSCC for tracking individual parcels. ECR Switzerland was created as an independent association by 40 trade and industrial companies. In the area of Electronic Data Processing (EDP), EAN SWITZERLAND has transferred its central article and location database onto its internal EDP system and provides access via a secure internet link to several companies.



SYRIA

EAN SYRIA (JOINED IN 1998)
C/O SYRIAN COMPUTER INSTITUTE
76, LAZARISTES BUILDING
BAB TOUMA, DAMASCUS
TEL: 963 11 5427 909
FAX: 963 11 5427 909
WEB SITE: WWW.GLOBALSIGN.COM.LB

EAN SYRIA started its activities in December 1998. It is now co-operating with the Ministry of Health for the introduction of the EAN•UCC standards in healthcare. EAN SYRIA also initiated contact with the Ministry of Industry for the same purpose. Currently, EAN SYRIA is focussing on the retail sector.



TAIWAN

CAN COMMERCIAL AUTOMATION AND NUMBERING
INSTITUTE (JOINED IN 1985)
4F, NO. 10, LIN SHEN S. RD.
TAIPEI
TEL: 886 2 239 39145
FAX: 886 2 239 13171
E-MAIL: EANTW@CAN.ORG.TW
WEB SITE: WWW.CAN.ORG.TW

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CAN's target sectors are the manufacturers of industrial products (computers and electronics), stationary and DIY products. It also co-operates with several companies on the use of EAN•UCC standards in the supply chain. CAN organised seminars and held case study workshops and educational training programmes for the promotion of barcode use.



THAILAND

EAN THAILAND (JOINED IN 1988)
THE FEDERATION OF THAI INDUSTRIES
QUEEN SIRIKIT NATIONAL CONVENTION CENTER,
3RD FLR, ZONE D
60 NEW RACHADAPISEK RD
KLONGTOEY, BANGKOK 10110
TEL: 662 229 4255
FAX: 662 229 4939
E-MAIL: INFO@EANTHAI.ORG
WEB SITE: WWW.EANTHAI.ORG

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EAN THAILAND co-operated with the Food and Drug Administration in using the EAN•UCC system for more efficiency in the healthcare sector. EAN THAILAND set up a pilot project to promote the use of UCC/EAN-128 in supply chain management. It joined industrial working groups from The Federation of Thai Industries on distribution, technical, and truck terminal issues to encourage further application of EAN•UCC standards.



TUNISIA

TUNICODE (JOINED IN 1992)
24, RUE JAMEL ABDEL NASSER
1000 TUNIS
TEL: 216 1 32 40 58
FAX: 216 1 32 45 74
E-MAIL: TUNICODE.EANTUNIS@GNET.TN

>

During 1998, TUNICODE continued to work towards the expansion of the EAN•UCC system in many sectors. TUNICODE increased direct contacts with manufacturers, created awareness of the EAN•UCC system through the press, and participated in national and international fairs and exhibitions. TUNICODE organised several seminars for trade and industry.



UUH#200001#ORDERS:D:66A:UN:EAN008*05M*220
:21#S#CUX#2:68P#9#3#BEF#4P

:9#RFF#CT:65274#DTM#1/1:19950825:102#NAD#BY#54:123456000010:

*ORDERS:D:66A:UN:EAN008*05M*220:128576#DTM#137:19950830:102#FTX#222+1+001

TURKEY

UCCT - UNION OF CHAMBERS OF COMMERCE, INDUSTRY,
MARITIME COMMERCE & COMMODITY EXCHANGES OF
TURKEY (JOINED IN 1988)
ATATÜRK BULVARI No:149
BAKANLIKAR, ANKARA
TEL: 90 312 4252243-4177700
FAX: 90 312 4179501
E-MAIL: EAN@INFO.TOBB.ORG.TR
WEB SITE: WWW.TOBB.ORG.TR

>

UCCT concentrated its efforts on promoting the EAN•UCC system and increasing its membership base in several industries.



UKRAINE

EAN UKRAINE - ARTICLE NUMBERING ASSOCIATION OF
UKRAINE (JOINED IN 1994)
ARTEMA STREET 26
KYIV, 254053
TEL: 380 44 216 0734, 380 44 246 8521
FAX: 380 44 246 8515, 380 44 216 0032
E-MAIL: EAN@EAN.KIEV.UA
WEB SITE: WWW.EAN.KIEV.UA/

>

EAN UKRAINE is in contact with many industrial, manufacturing and distribution associations and State Committees. It took part in a number of meetings, exhibitions, and seminars. EAN UKRAINE consults and informs interested parties. It implemented a national solution for branded variable measure retail items. Due to EAN UKRAINE's efforts, EAN•UCC Application Identifiers and the UCC/EAN-128 symbology were adopted as national standards in the Ukraine.



UNITED KINGDOM

ASSOCIATION FOR STANDARDS AND PRACTICES IN
ELECTRONIC TRADE - EAN UK LTD (JOINED IN 1977)
TRADING NAME: E CENTREUK
10 MALTRAVERS STREET
LONDON, WC2R 3BX
TEL: MANAGEMENT :44 171 655 9000,
HELPPDESK: 44 171 655 9001
FAX: 44 171 681 2290
E-MAIL: INFO@E-CENTRE.ORG.UK
WEB SITE: WWW.E-CENTRE.ORG.UK

>

The UK organisation, e centreUK, has been focussing on the target sectors of healthcare, transport and packaging. It participated in the healthcare BIHP project. In the transport sector, it was involved in the TRANS-CORE project. E centreUK assisted EUGROPA in producing its manual on the implementation of the EAN•UCC system. The organisation also co-operated with the British Agrochemical Association in the CRISTAL project. Further activities include meat tracking and tracing, and defence (with NATO). The association merged with the Electronic Commerce Association in October 1998, forming the "Association for Standards and Practices in Electronic Trade - EAN UK Ltd". The new trading title is "e centreUK". The merged association is already widely recognised in business and government circles as the authority and "one stop shop" for electronic commerce.



▶ URUGUAY

EAN URUGUAY (JOINED IN 1989)
AGR. GERMAN BARBATO 1363 OFFICE 903
11200 MONTEVIDEO
TEL: 598 2 9083534
FAX: 598 2 9031382
E-MAIL: EANURU@ADINET.COM.UY

>
The National Customs Administration joined EAN URUGUAY in 1998. It uses EDI to receive the cargo manifest from freight forwarders. Due to EAN URUGUAY's efforts, "El País", the main national newspaper began using the EAN•UCC system. This created a lot of interest from other industries as the newspaper issued several articles on the use of barcodes.



▶ UZBEKISTAN

EAN UZBEKISTAN (JOINED IN 1998)
STR. BUKHARA, 6
700047 TASHKENT
TEL: 998 71 132 09 04
FAX: 998 71 139 49 01

>
EAN UZBEKISTAN will start its operations in the course of 1999.

▶ VENEZUELA

EAN VENEZUELA (JOINED IN 1987)
AV. FRANCISCO DE MIRANDA
CENTRO EMPRESARIAL QUORUM, PISO 1, OFIC. J Y
K. LOS RUICES
1071, CARACAS
TEL: 58 2 237 8777
FAX: 58 2 237 7250
E-MAIL: JMEJIA@EAN.COM.VE
WEB SITE: WWW.EAN.COM.VE

>
Due to EAN VENEZUELA's efforts, the petrochemical industry now uses EDI to manage the payment of employees and suppliers. An ECR committee in the retail sector was formed together with leading suppliers. The first part of the project on the electronic invoicing was finished with the support of EAN VENEZUELA's member companies. It will be introduced to the SENIAT, the Venezuelan Tax Authority. New members of EAN VENEZUELA include banking institutions and companies from the petrochemical sector.



▶ VIETNAM

EAN VIETNAM - VIETNAM ARTICLE NUMBERING AND
BARCODING ORGANIZATION (JOINED IN 1995)
HOANG QUOC VIET STREET
CAU GIAY DISTRICT, HANOI
TEL: 84 4 8361463
FAX: 84 4 7562444/8361771
E-MAIL: EANVN@FMAIL.VNN.VN

>
EAN VIETNAM organised seminars on EAN•UCC standards for the Ministry of Health, Pharmaceutical Management Department, the Vietnam Pharmaceutical Corporation, and the Hanoi University of Pharmacy. It conducted seminars on EAN•UCC barcodes for book and serial publications, as well as workshops on EDI/EANCOM®, EPC, and Shopnet, a project of the Singapore Article Number Council (SANC).



▶ YUGOSLAVIA

EAN YU - YUGOSLAV NUMBERING ASSOCIATION
(JOINED IN 1982)
TERAZIJE 23
11000 BEOGRAD
TEL: 381 11 3248 392
FAX: 381 11 3248 754
E-MAIL: YANA@EUNET.YU
WEB SITE: WWW.EAN.ORG.YU

>
EAN YU worked in close co-operation with the Yugoslav association for oil and gas manufacturers to promote the use of EAN•UCC standards. It also worked to encourage the use of EDI in the healthcare sector. EAN YU took part in a symposium to present the EAN•UCC standards and their possibilities in the packaging sector, and reported an expansion in the use of the EAN•UCC standards in the electronics industry and in textiles. The organisation worked closely with leading retailers, which resulted in a considerable growth in the number of member companies among manufacturers of food, household products, and pharmaceuticals.



EAN'S PARTNER ORGANISATION IN

▶ THE USA AND CANADA

UNIFORM CODE COUNCIL, INC.
PRINCETON PIKE CORPORATE CENTER
1009 LENOX DR.,
SUITE 202
LAWRENCEVILLE,
NEW JERSEY 08648
TEL: 1 609 620 0200
FAX: 1 609 620 1200
E-MAIL: INFO@UC-COUNCIL.ORG
WEB SITE: WWW.UC-COUNCIL.ORG

>
EAN's partner organisation, the Uniform Code Council (UCC), works closely with numerous EAN organisations around the globe to promote the EAN•UCC system. One of several joint projects is the newly developed Reduced Space Symbology (RSS).

The UCC and EAN International are working with carriers, shippers, and their customers in the TRANS-CORE project to improve the integration of EDI and barcode standards throughout the transport supply chain.

The UCC assists the grocery and foodservice industries in the US to further use the EAN•UCC standard for product identification, barcoding, and electronic commerce to optimise the supply chain within the frame of the ECR initiative. For all retail sectors, including grocery and drugstores, the UCC sponsors the Quality Work Group (QWG) to analyse the implementation of existing standard product identification and barcoding standards in the US. The QWG also assesses the effectiveness of the standards in achieving efficient POS operations.

Other sectors of activity include: telecommunications, paper trade, textiles, packaging materials, maintenance-repair-operations (MRO) products, and raw materials.

UNH#NE00001:ORDERS:1:96A:UN:EAN008:86H#220
121+5'CUX+2:6BP:9+5:6EF:4+

19'RFPICT:652744'DIM:171:19930825:102'NAD:BY:54123450000010:
ORDERS:1:96A:UN:EAN008:86H#220:126576'DTH:137:19930830:102'FIX:1ZE+

+EAN INTERNATIONAL HEAD OFFICE-CONTACTS

Managing Director:

► REINHOLD VAN LENNEP

Corporate Strategy
EAN policy issues
Relationships with international trade associations,
standard and governmental bodies
EAN•UCC Co-ordination

Personal Assistant to Managing Director:

► ERIKA BOCHEREAU

e-mail: erika@ean.be, tel: (322) 227 10 26
Management Board documents
RNOMMs and General Assembly organisation

Technical Director:

► HENRI BARTHEL

e-mail: barthel@ean.be, tel: (322) 227 10 23
Technical strategy and developments: Automatic
Data Capture and Electronic Commerce
New technologies including RFID, new symbologies
(RSS, Composite Symbology)
Liaison with ISO/IEC JTC 1/SC31
EAN•UCC Co-ordination

Technical Manager EDI:

► GERRY OWENS

e-mail: gowens@ean.be, tel: (322) 227 10 27
Electronic commerce developments including:
EANCOM®, CEFAC, EDI, Lite EDI,
XML EDI, Electronic Catalogues
ECR Europe/ ECR EAN project team

Technical Executive EDI:

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Electronic commerce projects including:
EDI Security, EANCOM® Custom Messages and
Change Requests
ECR EAN project team
EDI Helpdesk

Technical Executive ADC:

► PHILIPPA MORRELL

e-mail: morrell@ean.be, tel: (322) 227 10 29
Automatic data capture developments for all matters
related to General EAN•UCC Specifications
ECR Europe - Unit loads
ADC Helpdesk

Technical Assistant ADC:

► HARY ANTARAKIS

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Support to specific Automatic Data capture projects

Market Development Director:

► GEORGE MERGUERIAN

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Marketing strategy
Market sectors: Healthcare-BIHP, Transport, Defence
ECR Europe - Transport

Market Development Executive:

► MIODRAG MITIC

e-mail: mitic@ean.be, tel: (322) 227 10 38
Market sectors: Packaging, Meat, Fresh Produce,
Agrochemicals

Market Development Executive:

► PAOLA CARPENTIERE

e-mail: carpentiere@ean.be, tel: (322) 227 10 37
Market sectors: Transport, Computer Industry,
Textile, Publishing, Public Procurement

External Communications Manager:

► SILVIA HODGES (*until April 1999*)

e-mail: hodges@ean.be, tel: (322) 227 10 32

► CHRISTINE STEWART (*starting April 1999*)

e-mail: stewart@ean.be, tel: (322) 227 10 32
External communications strategy including
corporate identity issues
International public and press relations, publications

External Communications Co-ordinator:

► JACKY WAIT

e-mail: jacky@ean.be, tel: (322) 227 10 33
Promotional material, production and distribution
of publications
Participation in External conferences and events
General Helpdesk

Member Services Manager:

► MONICA WALSH

e-mail: walsh@ean.be, tel: (322) 227 10 35
Member services strategy and development including
legal and policy issues, new member applications
EAN•UCC Alliance II programme

Internal Communications Co-ordinator:

► ANNE LOIX

e-mail: loix@ean.be, tel: (322) 227 10 30

Communications with NOs including EAN Bulletin board
and internal website "EAN On-Line"

Web master (www.ean.be)

Training Co-ordinator:

► CATHERINE VAN DAMME

e-mail: catherine@ean.be, tel: (322) 227 10 39

Organisation of training for NOs (EAN TrainingCentre,
special training packages)

Presentations slide library

Administrative Assistant:

► MELANIE CARPENTIER

e-mail: melanie@ean.be, tel: (322) 227 10 20

Logistics and hotel arrangements for non-technical meetings
Database

Direct number allocation

NO mailings

Administrative Assistant:

► FLORENCE PAQUAY

e-mail: florence@ean.be, tel: (322) 227 10 31

Logistics and hotel arrangements for joint committees and
technical meetings

EDI survey

Administrative Assistant:

► PATRICIA ROGIVAL

e-mail: patricia@ean.be, tel: (322) 227 10 34

Support to member services activities

Accountant:

► TANIA KIREEFF

e-mail: kireeff@ean.be, tel: (322) 227 10 36

Refunding expenses

Invoicing

:9'TAX+7+VAT+++:

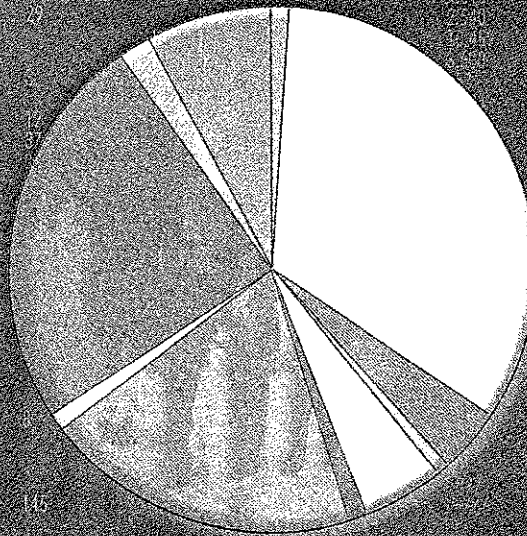
:9'REFF+CT:652744'DTM+171:19930825:102'NAD:BY+54123450000010:

UNH+ME0001+ORDERS:D:96A:UN:EAN008'BGN+220+128576'DTM+137:19930830:102'FTX+ZZZ+1+001:

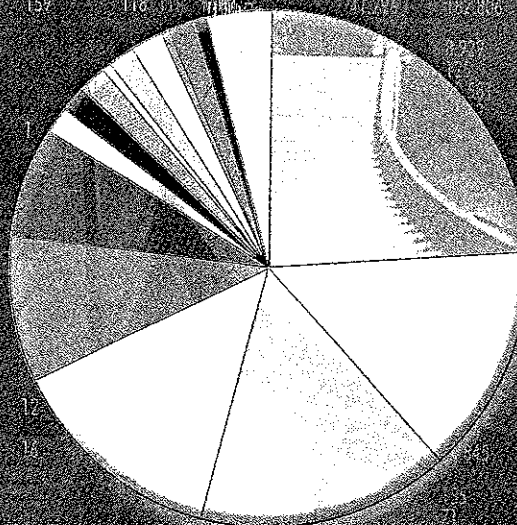
UNH+ME0001+ORDERS:D:96A:UN:EAN008'BGN+220+128576'DTM+137:19930830:102'FTX

STATISTICS

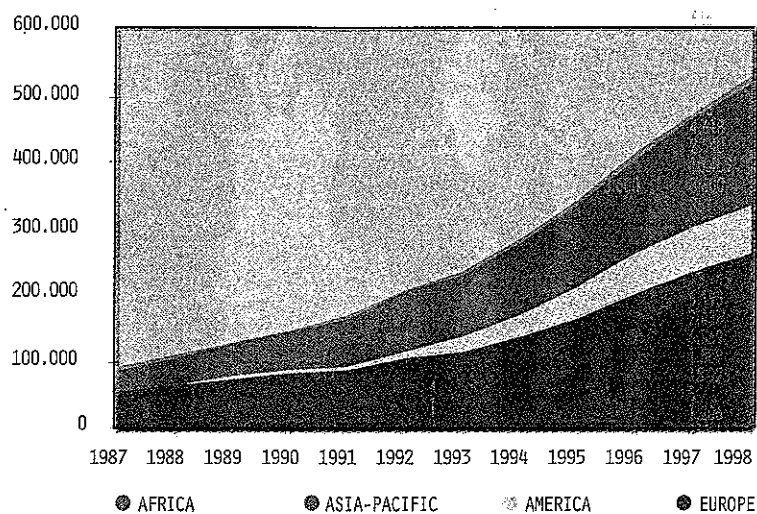
EAN MEMBER COMPANIES COME FROM A WIDE VARIETY OF INDUSTRIES



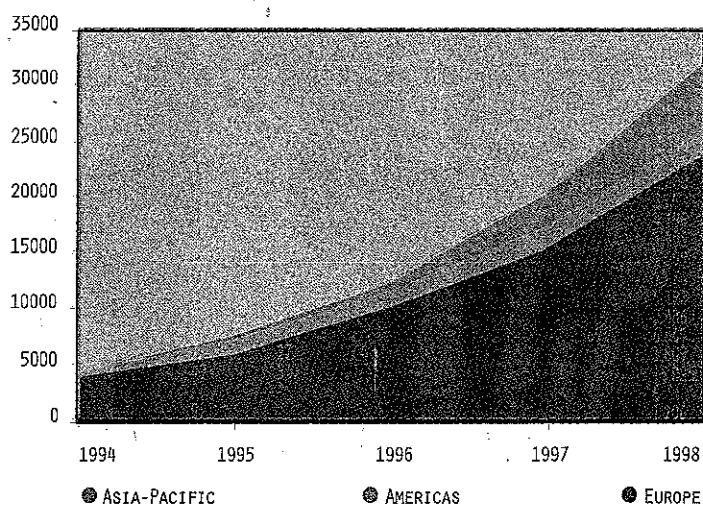
EDI SECTORS IN THE EAN COMMUNITY



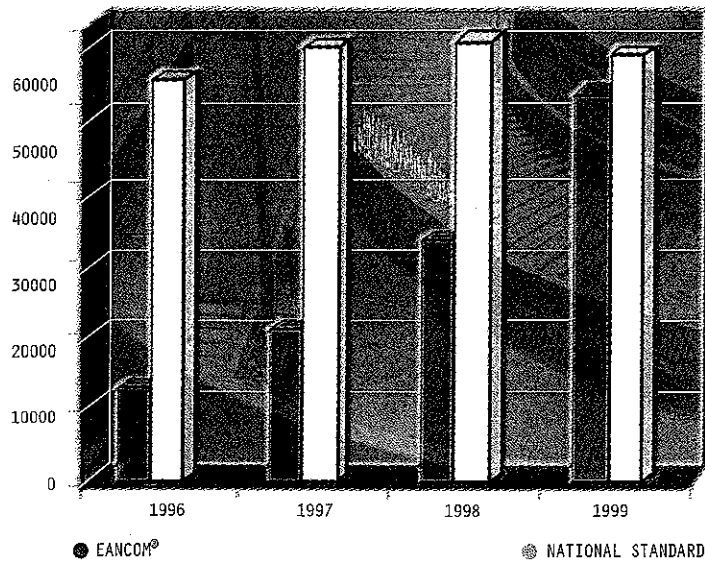
► EAN MEMBERSHIP



► EANCOM® USERS



► EDI USERS IN THE EAN COMMUNITY



MEMBER COMPANIES & SECTORS OF APPLICATION

UHH-REG0001-ORDERS-D:96A:UHH:EA0008

UHH-REG0001-ORDERS-D:96A:UHH:EA0008 BGN+220+128576 DTM+137:19930830-102

UHH-REG0001-ORDERS-D:96A:UHH:EA0008 BGN+220+128576 DTM+137:19930830-102 FTY

UHH-REG0001-ORDERS-D:96A:UHH:EA0008

COUNTRIES/ECONOMIC REGIONS	SECTORS OF APPLICATION										OTHERS		% INC.		MRS. ALLOCATED							
	AGRICULTURE, HUNTING AND FORESTRY	MINING AND QUARRYING	MANUFACTURING	ELECTRICITY, GAS AND WATER SUPPLY	CONSTRUCTION	WHOLESALE AND RETAIL TRADE, REPAIR OF MOTOR VEHICLES, MOTORCYCLES AND PERSONAL AND HOUSEHOLD GOODS	HOTELS AND RESTAURANTS	TRANSPORT, STORAGE AND COMMUNICATION	FINANCIAL INTERMEDIATION	REAL ESTATE, RENTING AND BUSINESS ACTIVITIES	PUBLIC ADMINISTRATION AND DEFENCE	EDUCATION	HEALTH AND SOCIAL WORK	OTHER COMMUNITY, SOCIAL AND PERSONAL SERVICE ACTIVITIES		PRIVATE HOUSEHOLDS WITH EMPLOYED PERSONS	EXTRA-TERRITORIAL ORGANIZATIONS AND BODIES	1998	1997	1996		
ARMENIA	14	2	37	19	17	14	8	1	70	2	1	1	1	31	1	315	72	31	132.26%	10	72	
AUSTRIA	202	1	13	2,140	17	1,421	14										4,239	3,800	11.55%	3,905	4,000	
BELARUS	2		128	3	2	3											141	0	Not Ap.	0	141	
BELGIUM, LUX	81	3	4	1,922	4	3	1,407	14	29	4	98	6	5	41		4	3,625	3,369	7.60%	3,143	3,300	
BOSNIA-HERZEGOVINA	2		129	83													214	132	62.12%	41	214	
BULGARIA	31	4	499	25		2											561	435	28.97%	293	561	
CROATIA	94	8	5	596	15	437	17	11	2	46				15		451	1,697	1,517	11.87%	853	1,952	
CYPRUS			565	208													773	794	-2.64%	747	14	
CZECH REP.	20	15	4,557	35	10		20		13								4,670	3,589	30.12%	2,416	4,500	
DENMARK																	4,631	4,418	4.82%	3,660	4,631	
ESTONIA	17	1	373	56			3							1			451	363	24.24%	245	451	
FINLAND																	4,030	3,707	8.71%	3,343	4,030	
FRANCE	696		22,150	665	50		60										23,622	23,414	0.89%	21,292	21,000	
GEORGIA			149														149	86	73.26%	29	149	
GERMANY	743	119	20,764	77,929	53		751	4	296	21	1	1	9				100,692	87,381	15.23%	72,929	23,637	
GREECE			2,024	537			1		4				1	1			2,577	2,230	15.56%	1,869	2,535	
HUNGARY																	2,322	2,312	0.43%	1,960	2,300	
ICELAND	11	9	2	150	1	6	3	5	5	1	10	17					614	558	-8.60%	525	510	
IRELAND																	1,912	1,764	8.39%	1,547	1,823	
ISRAEL																	3,056	2,806	8.91%	2,602	3,056	
ITALY	320		21,690	75				15									22,100	20,601	7.28%	19,029	22,100	
KAZAKHSTAN	1	2	209											2			212	126	68.25%	15	200	
LATVIA	4		421	40				3									472	286	65.03%	145	470	
LITHUANIA	13	2	816	40		1	2	6									880	492	78.86%	263	880	
MACEDONIA																	298	218	36.70%	152	200	
MALTA			126	15													141	130	8.46%	111	139	
MOLDOVA			308														308	234	31.62%	133	7,000	
NETHERLANDS	247		2,848	196		12	155			17		194					4,618	4,276	8.00%	3,840	4,081	
NORWAY	29	5	4	1,190	2	10	1,105	29	7	93		37	29				2,540	3,734	-31.98%	3,298	2,540	
POLAND	213		10,245	1													10,459	9,208	13.59%	5,750	10,334	
PORTUGAL																	3,600	3,307	8.86%	3,359	3,585	
ROMANIA			322	26			1		1	1	2	1	1	3			357	245	45.71%	175	348	
RUSSIAN FED	25	95	3,807	122	9												4,198	2,564	63.73%	1,374	4,198	
SLOVAKIA	75	1	4	1,097	22	588	52	30	1	101		2	138				1,985	1,804	10.03%	1,245	1,970	
SLOVENIA	78	2	1	1,706	33	892	32	33		155		6	24	37			2,999	2,590	15.79%	2,212	3,000	
SPAIN			13,004	467										274			13,745	12,472	10.21%	11,298	13,747	
SWEDEN	156	5	12	2,135	17	23	2,285	48	14	298	74	9	10	67			5,193	4,516	14.99%	4,241	4,668	
SWITZERLAND	42	1	6	1,689	5	14	599	1	4	2	87	2	5	23			2,486	2,300	8.09%	2,107	2,486	
TURKEY																	6,569	4,970	32.17%	3,603	6,569	
UKRAINE	71		4	1,388	2	14	246	6	5	37	2		7	27			1,809	1,168	54.88%	387	1,800	
UNITED KINGDOM	443	8	23	8,619	27	61	4,237	133	97	63	927	12	9	49	317		15,025	13,676	9.86%	13,030	15,025	
UZBEKISTAN																	5	0	Not Ap.	0	5	
YUGOSLAVIA	20	2	1	1,066								3	9				1,206	1,368	-11.71%	1,245	1,206	
TOTAL EUROPE	3,650	163	203	129,014	111	480	94,767	378	1,260	91	2,255	138	33	508	897	1	11	27,293	261,253	12.13%	198,421	185,427

9 RFF:CT:652744 DTM:1/1:19930825:102 HAD:BY:54123450000010

AUSTRALIA	10	10	8,380	10	10	2,017	15							24	25					10,501	9,584	9,57%	9,121	10,000
CHINA																				38,317	32,218	18,93%	27,122	38,317
HONG KONG	6		1,329			893	2	8	1					1	1					2,249	2,068	8,75%	1,785	2,067
INDIA			334												102					436	200	118,00%	49	400
INDONESIA			656	7		162														870	670	29,85%	378	162
IRAN			1,834												63					1,897	1,367	38,77%	640	1,894
JAPAN	1,665	200	63,377	66		32,852	284	40	1,034	3										99,666	93,100	7,05%	87,600	99,666
JORDAN	3		120	2		60	6													192	53	262,26%	0	192
LEBANON		1	239			50									6					300	235	27,66%	60	300
MALAYSIA	1		1,330			537	1													1,873	1,598	17,21%	1,204	1,780
NEW ZEALAND	419		2,545		43	260	15		23											3,323	4,250	-21,81%	3,250	3,250
PHILIPPINES	5	3	1,141	26		736	2	2						28	161					2,108	1,703	23,78%	731	2,356
SINGAPORE	4		850			447	2							33						1,338	1,291	3,64%	1,091	1,295
SOUTH KOREA			7,992																	7,992	6,078	31,49%	4,868	6,295
SRI LANKA	37		30			11	1		1											80	67	19,40%	12	80
SYRIA	1		10			1														12	0	Not Ap.	0	12
TAIWAN			6,444			1,785														8,229	7,392	11,32%	7,014	7,982
THAILAND																				2,934	2,523	16,29%	1,802	2,934
VIETNAM	34	18	261			35								3						489	328	49,09%	152	489

▶ TOTAL ASIA PACIFIC 2,181 226 11 96,872 111 53 39,846 12 326 41 1,062 6 86 395 159 118 5 41,296 182,806 164,725 11,00% 146,905 179,471

ARGENTINA	84		8,780			65														8,929	11,080	-19,41%	10,540	8,938
BOLIVIA			125																	125	110	13,64%	90	124
BRAZIL			327		342	763														28,581	26,176	9,19%	20,500	28,100
CHILE	385	62	11	3,810	5	5	37	48	23	61	13									4,469	3,967	12,65%	3,517	4,469
COLOMBIA	122		93	6,103	4	14	321	5	26	362	13									7,154	6,679	7,11%	6,439	6,935
COSTA RICA			880	1						6										887	517	71,57%	0	887
CUBA	1		143							1										145	120	20,83%	116	145
DOMINICAN REPUBLIC	24	1	1	630		35	1	1												693	409	69,44%	276	715
ECUADOR	70	95	10	1,740	50	10					30	85								2,120	1,858	14,10%	1,486	2,050
EL SALVADOR	35			777	1	91														904	749	20,69%	0	904
GUATEMALA	24	6	1	788		7				101										927	869	6,67%	0	927
HONDURAS	103	3	2	293		56	1			13				17						492	421	16,86%	2,891	450
MEXICO			10,183		1	146			10											14,665	12,826	14,34%	11,090	13,227
NICARAGUA	1	3	62			1														68	47	44,68%	0	27
PANAMA	13	2	4	35	2	154			2					4	2					220	434	-49,31%	0	216
PARAGUAY	9		223			202	2	1						1	10					448	368	21,74%	237	448
PERU	30		1,635		17	5								4	50					1,742	1,468	18,66%	1,108	1,742
URUGUAY	26	13	659			32		6						1						752	703	6,97%	538	729
VENEZUELA	182	42	21	1,110	49	84			10											1,524	1,250	21,92%	1,033	24,963

▶ TOTAL AMERICAS 1,079 257 470 64,933 63 462 1,977 46 113 0 0 0 0 0 0 0 0 0 0 0 26 74,845 70,051 6,84% 59,881 95,996

ALGERIA			152			1														155	87	78,16%	30	140
EGYPT	19		45			6								1						71	50	42,00%	24	71
MAURITIUS	3	1	174			20														198	158	25,32%	142	198
MOROCCO			208			4														212	173	22,54%	105	201
SOUTH AFRICA																				7,813	6,573	18,87%	5,630	7,730
TUNISIA	22	18	1,048	25					10					22	15					1,160	958	21,09%	755	197

▶ TOTAL AFRICA 44 19 0 1,627 25 0 31 0 0 0 0 0 0 0 0 0 0 0 0 0 7,813 9,609 7,999 20,12% 6,686 8,537

▶ TOTAL EAN 6,954 665 684 292,446 310 995 136,621 436 1,699 208 3,967 221 227 1,092 1,072 4,447 41 76,428 528,513 475,764 11,11% 411,893 469,431

▶ U.S. & CANADA 215,923 189,000 14,24% 176,000

▶ TOTAL EAM-UCC 74,436 665,764 12,00% 587,893

NUMBERING ORGANISATION

NATIONAL STANDARD



	NAME OF THE PROJECT				GROWTH		ESTIMATE		NAME OF THE PROJECT				GROWTH		ESTIMATE	
	1996	1997	1998	1999	1996	1997	1998	1999	1996	1997	1998	1999	1996	1997	1998	1999
ARGENTINA - CODIGO									ANSI X12 / EDIFACT	7000	7000	7000	0%	7000		
AUSTRALIA - EAN AUSTRALIA									SEDAS / ECODEX	2100	2200	2200	0%	2200		
AUSTRIA - EAN AUSTRIA																
BELGIUM / LUXEMBOURG																
- ICODIF - EAN BELGIUM-LUXEMBOURG																
BRAZIL - EAN BRASIL																
CHILE - EAN CHILE																
CHINA - ARCC																
COLOMBIA - IAC																
COSTA RICA - EAN COSTA RICA																
CZECH REPUBLIC - EAN CZECH REPUBLIC																
DENMARK - EAN DANMARK																
EL SALVADOR - EAN EL SALVADOR																
FINLAND - EAN FINLAND																
FRANCE - GENCOD																
GERMANY - CCG																
GREECE - EAN HELLAS - HELCAN S.A.																
GUATEMALA - EAN GUATEMALA																
HONG KONG (CHINA) - HKANA																
HUNGARY - HPMA																
IRELAND - EAN IRELAND																
IRELAND - EAN IRELAND																
ISRAEL - EAN ISRAEL																
ITALY - INDICOD																
JAPAN - DCC																
LATVIA - EAN LATVIA																
MEXICO - ANECE																
NETHERLANDS - EAN NEDERLAND																
NEW ZEALAND - EAN NEW ZEALAND																
NORWAY - EAN NORGE																
PERU - APC																
PHILIPPINES - PANC																
POLAND - EAN POLAND																
PORTUGAL - CODIPOR																
ROMANIA - EAN ROMANIA																
RUSSIA - UNISCAN / EAN RUSSIA																
SINGAPORE - SANC																
SLOVAKIA - EAN SLOVAKIA																
SLOVENIA - SANA																
SOUTH AFRICA - SAANA																
SPAIN - AECOC																
SWEDEN - EAN SVERIGE																
SWITZERLAND - EAN SCHWEIZ																
TAIWAN - CAN																
THAILAND - TANC																
UNITED KINGDOM - ANA																
URUGUAY - EAN URUGUAY																
VENEZUELA - EAN VENEZUELA																
YUGOSLAVIA - YANA																

TOTAL NUMBER OF USERS

52522

56684

57732

55878

12202

19859

31613

5996

50672

21+S'CUX+2:GBP:9+3:BEF:4+48:50'DTM+134:13930801:102'TD

PRODUCED BY
EAN International External Communications Department
Silvia Hodges • Jacky Wait

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ART DIRECTOR
Danny Somers
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the service icons*

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SERVICES

-  Toll free telephone number
-  Help Desk
-  Symbol testing service
-  Access to Location number directory
-  Access to company prefix database
-  Access to Electronic Catalogue for products
-  Members-only intranet
-  Industry working groups
-  List of suppliers (e.g. filmmakers)
-  List or database of business case studies/examples
-  Public listing /database of members
-  Training/seminars
-  Press Releases
-  Newsletter
-  Publications
-  Videos/ CD-Roms

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21+S' CHX+2:G8P; 9+3:BEF; 4+48:50'DTM+134:19930

21+S' CHX+2:G8P; 9+3:BEF; 4+48:50'DTM+134:19930

REF ID: A62943

9' REF+CTT:652744' DTM+171:1

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Figure 1. The effect of the number of trials on the mean number of correct responses for the 100 trials condition. The number of correct responses was significantly higher than the number of incorrect responses for the 100 trials condition.

5 425000 030041