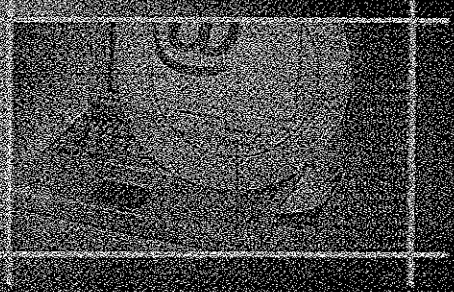
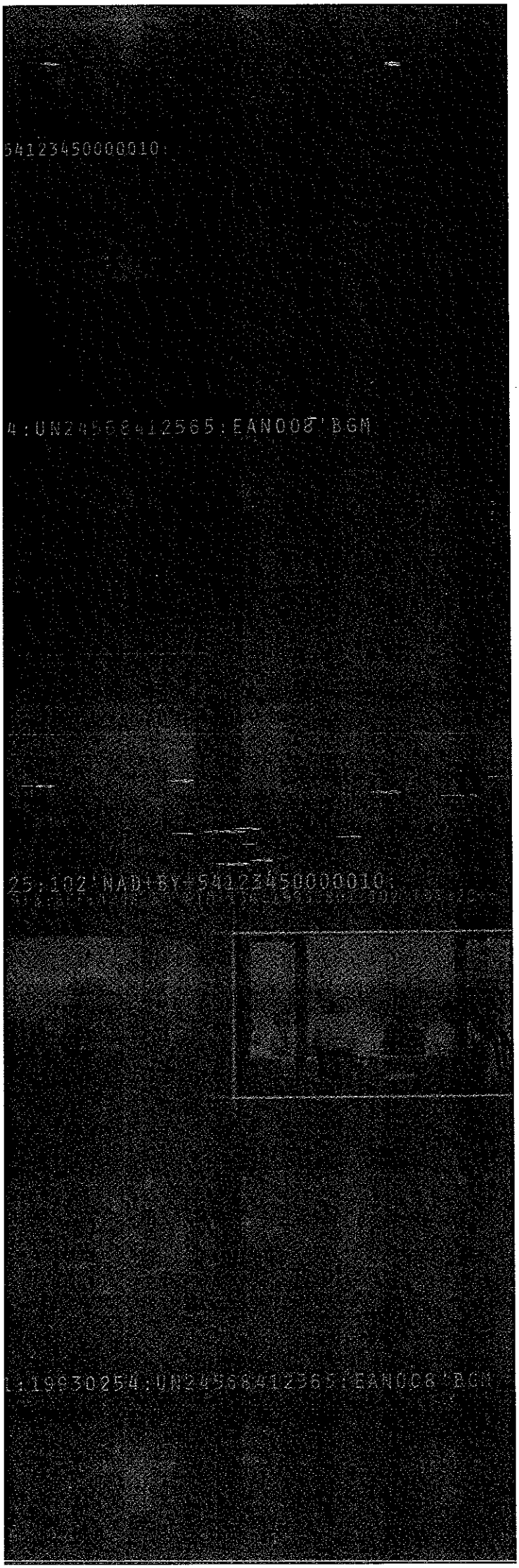
EAN INTERNATIONAL

ANNUAL REPORT

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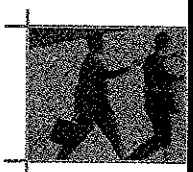

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global solutions

1> GLOBAL SOLUTIONS

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** AND/OR **ADD VALUE** FOR BOTH GOODS AND SERVICES.

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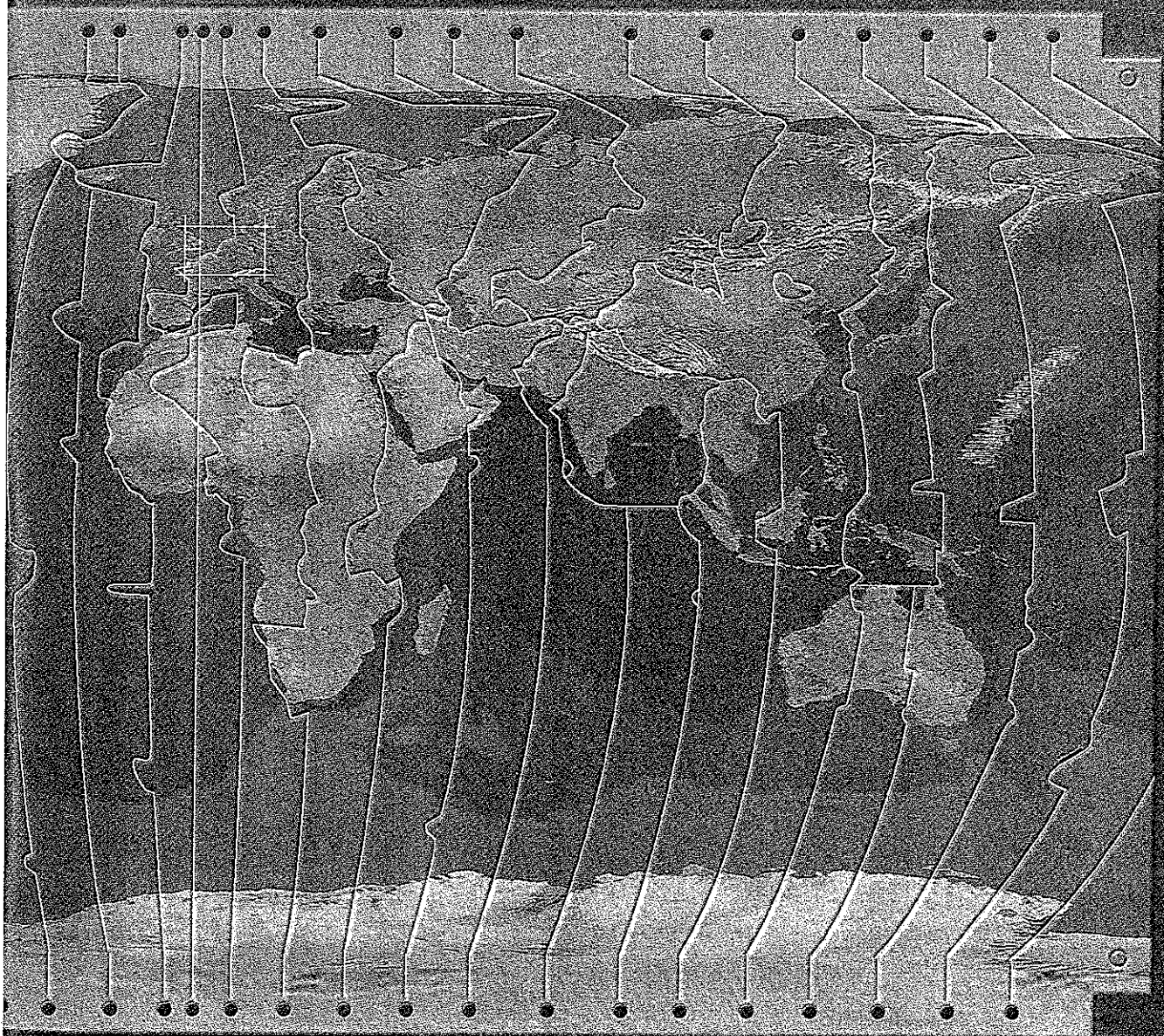
CHANGE IS THE ONLY CONSTANT FACTOR



EAN INTERNATIONAL

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mission

2>MISSION

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CHANGE IS THE ONLY CONSTANT FACTOR

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.

+mission

3> CHANGE IS THE ONLY CONSTANT FACTOR

change

ABOUT 2,500 YEARS AGO THE GREEK PHILOSOPHER HERACLITUS TAUGHT THAT THERE IS NO PERMANENT REALITY EXCEPT THE REALITY OF CHANGE. "YOU CANNOT STEP TWICE IN THE SAME RIVER" WAS PERHAPS HIS MOST FAMOUS MAXIM.

CLOSER TO US, THE RUSSIAN-BORN PHYSICIST AND NOBEL-PRIZE WINNER ILYA PRIGOGINE STATES THAT HUMANITY HAS CROSSED A WATERSHED IN ITS MENTAL HISTORY. AS MUCH AS THERE IS NO CERTAINTY ANYMORE IN THE LAWS OF CHEMISTRY AND PHYSICS, THERE ARE NO ETERNAL LAWS GOVERNING THE ACTIONS OF HUMANS. PROFESSOR PRIGOGINE'S WORK ON TIME, ORDER AND CHAOS IS LAYING BRIDGES BETWEEN FIELDS AS FAR APART AS THERMODYNAMICS AND MACROECONOMICS.

Reinhold van Lennep
MANAGING DIRECTOR OF EAN INTERNATIONAL

John Berry
PRESIDENT OF EAN INTERNATIONAL

Laurie Wilson
VICE-PRESIDENT OF EAN INTERNATIONAL

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WHAT DOES THIS ALL MEAN FOR US?

Globalisation, information and communication technology are upsetting the best established among the old business models. Globalisation means that products and services are being sourced and sold throughout the world. Digital communications and computers make it possible to transmit and interpret massive amounts of information in the blink of the eye.

Our world has become a lot smaller and a lot more complex at the same time. It has also become richer in new possibilities.

EAN International's core activity is setting global standards for business communication. As a standards-setting organization, we naturally seek to inject order into chaos. We see our mission as creating stability. We have a natural tendency to shun change.

We would like EAN International to espouse change wholeheartedly.

Our users' needs are changing quickly. We at EAN International must help them along by anticipating their needs. This is why we are forging ahead in establishing EAN•UCC standards for electronic commerce. E-commerce is not only changing the way many of our users function on a day-to-day business, it is often forcing them to reinvent their basic business model.

Changing user needs is also why EAN International is modifying its internal organizational structures under the EANOR project. We want to be more nimble, more proactive and more efficient in the new economy that is being shaped by the twin forces of technology and globalisation.

Only by embracing change can EAN International continue to be effective as a standards-setting organization and create the conditions for its users to thrive in this new business environment. As the only global and open organization of our kind, we are ideally placed to do so.

There is no stability – whether in Greek rivers, modern physics laboratories or the global business world. The only thing one can be sure of is that change will always be there.

Reinhold van Lennep
MANAGING DIRECTOR

John Berry
PRESIDENT

Laurie Wilson
VICE-PRESIDENT

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4> EAN INTERNATIONAL :

FROM PRODUCT NUMBERING TO UNIVERSAL LANGUAGE

Since the world is becoming an ever-smaller place, 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.

The vision came early. In 1974, manufacturers and distributors from 12 European countries got together to examine the possibility of developing a uniform and standard numbering system for Europe similar to the UPC system already in use in the USA. This led to the creation of "European Article Numbering," a UPC-compatible system.

The actual EAN association, however, was formed three years later in February 1977. The new organization was set up under Belgian law as a not-for-profit international association and endowed with General Secretariat based in Brussels.

Its aim was – and still is – the development of a set of standards enabling the efficient management of global, multi-industry supply chains by uniquely identifying products, shipping units, assets, locations and services. The system has since emerged as a key facilitator in the electronic-commerce revolution because of its unique tracking and trace ability capabilities for both business-to-business and business-to-consumer transactions.

In the meantime, global and international reach was quickly acquired by extending membership to business organizations from other continents. Reflecting EAN International's increasing global presence, the name was changed to EAN International in 1992.

Today EAN International comprises 92 Numbering Organizations representing 94 countries. The Numbering Organizations provide full support and information to their local member companies. More than 800,000 member companies today benefit from using the EAN•UCC system.

The EAN•UCC system consists of the following:

- A system for numbering items – consumer products, services, transport, location, among other things – and allowing unambiguous identification
- A system for representing supplementary information such as batch number, date and measurement
- Standard bar codes containing information which can be easily recognized and scanned by computers
- A set of messages for Electronic Data Interchange, or EDI, transactions. These are known as EANCOM® messages.

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The rapid growth of the EAN•UCC system is indeed impressive. But even more impressive is the fact that such a large number of trade and industry players have agreed to utilize a single, uniform international coding and communications system.

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 1500 dedicated executives around the world continue to build on the success of the organization and to expand EAN•UCC's global multi-industry reach.

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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5> DEVELOPING AND MANAGING THE EAN•UCC SYSTEM INTO THE 21ST CENTURY

Open standards benefit all users, helping create a level playing field for nations across continents. They bring the stability and technical backbone necessary for truly seamless, borderless trade and electronic commerce.

In a fast-changing, global market place, every business today is wrestling with newly emerging technologies and competitors. Together with its members, EAN International is working hard to respond to these changes and better serve its users. We see change as an opportunity to promote and implement the EAN•UCC system in an ever-wider variety of industries. Our business is to establish an effective communication system joining all trading partners throughout the supply chain – from manufacturers to wholesalers, distributors, retailers and consumers - and to provide a common language for worldwide trade and electronic commerce.

The EAN•UCC system provides the necessary communication tools allowing users to streamline the flow of information in the supply chain and optimise their operations. The release of the General EAN•UCC specifications in 1999 represented a giant step toward a truly global system. Usage of the EAN International standard for Electronic Data Interchange applications has seen explosive growth, with a 50% increase in the number of companies implementing the system in one year.

Technology is evolving fast. EAN International is keen to identify available opportunities and to match them with the requirements of users. XML is today's buzzword in the area of electronic commerce. EAN International spent a considerable amount of time and efforts in 1999 to understand the technology and its possible applications. A strategy and concrete action plans have been elaborated. The short-term objective is to develop and make available to software providers a standard XML library. Pilot implementations will be conducted internationally.

Another area that is gaining considerable interest is the use of Internet-based systems to facilitate master data alignment. In early 1999, EAN International started interconnecting the membership databases of its Numbering Organizations throughout the world. Interconnection will allow anyone, anywhere to identify the issuer of any EAN•UCC identification number.

The alignment of master product data is key to the efficient flow of information throughout the global supply chain. Electronic catalogues providing product data have been set up under the auspices of the EAN Numbering Organizations in more than 10 countries. Interconnection of these local systems began in 1999 and the first systems offering interconnection facilities are scheduled to become available by the end of 2000. This will eventually enable companies to load master product information locally and make it available to all trading partners anywhere in the world.

Automatic Data Capture is another cutting-edge area where EAN International is actively involved. In October 1999, AIM Inc., the international association of equipment manufacturers, officially approved the RSS (Reduced Space Symbology) and Composite Symbology specifications. Working parties have been set up with the aim to develop application specifications and to monitor pilot implementations.

Radio Frequency Identification is equally an important development area. RFID versus traditional barcodes represents a new data carrier.

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EAN International and the UCC issued a white paper on RFID in November 1999, identifying the main application areas where RFID is expected to complement existing standards. EAN International and the UCC are now moving to the next stage by developing specifications for storing and accessing data on RFID tags. As a result, RFID-based standards are scheduled to be included in the EAN•UCC specifications within the coming two years.

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The result is that EAN International today can provide a comprehensive and powerful set of standards for supply-chain management that is evolving rapidly into the digital age. The EAN•UCC system, which started twenty-two years ago with a single application, the identification and marking of consumer items, is now spanning the globe in multiple industries. EAN International, too, has expanded enormously. It will continue to be setting standards and contributing value to the worldwide user base of the EAN•UCC system.

> ELECTRONIC COMMERCE

EANCOM®

Maintenance of the EANCOM® standard once again proved to be the most intensive aspect of the GCC (Global Communications Committee) work. During the past year almost 300 change requests for EANCOM® were processed by the GCC – triple the volume of work during the mid-1990's.

The main reason for this increase is the global success of the EAN•UCC system. Among other factors we can point to the spreading use of EANCOM® to new industry sectors such as the textiles and automotive parts industries, the increase in the overall EAN•UCC membership and user companies' migration to EANCOM® from national EDI standard systems.

The EAN International and UCC boards last year approved a policy whereby Numbering Organizations would set dates by when the development of national EDI standards would cease. This set a target date for which Numbering Organizations maintaining national standards would start to focus their development efforts on EANCOM®.
In July 1999, the Direct Debit (DIRDEB) message was added to the EANCOM® message set and an updated code list was issued.

XML

XML stands for "eXtensible Markup Language". However, XML extends beyond the syntax and beyond documents. It is supported by its so-called 'companion standards' that enhance the core syntax for example, the ability to query. They form a complete toolbox for publishing and application integration.

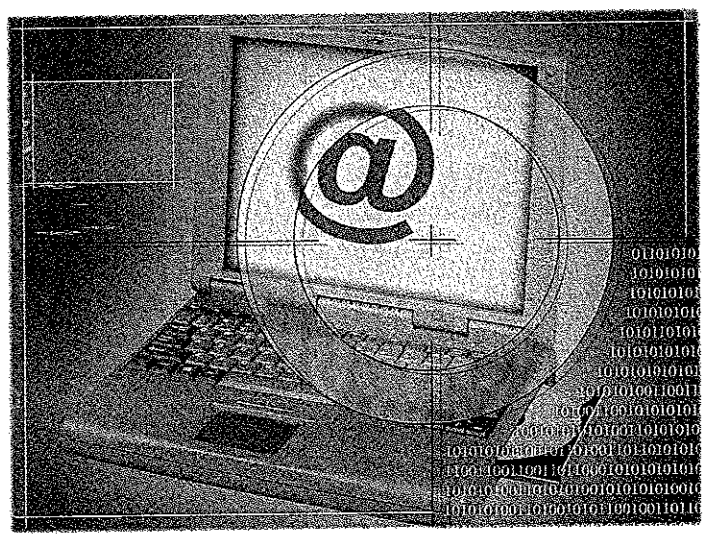
What is the history of XML?
XML was developed by the World Wide Web Consortium to bring the power of SGML to the Web in a simplified form to overcome HTML's inherent limitations and enable new kinds of Internet applications.

SGML, the Standard Generalized Markup Language, is an ISO standard (ISO 8879: 1986) that evolved from IBM's GML. SGML is widely used for high-end publishing applications for encoding information in a vendor-independent format. SGML is also often criticized for a complex syntax that makes it hard to learn and implement and for having different syntaxes for models and instances.

What does XML do?
XML, like SGML, is a "meta-language" that defines the rules for creating the markup languages for encoding instances of particular document or message types. The formal specification for any markup language defined using SGML or XML is called the Document Type Definition or DTD. A document instance that conforms to the rules in its associated DTD is said to be "valid."

What is the difference between XML and HTML?
In contrast to SGML or XML, HTML is a specific markup language that contains a fixed set of elements and attributes. HTML has a limited repertoire of structural tags like headings, lists, and links, some tags for encoding formatting information like text attributes and layout, and very few tags for encoding types of information content.

However, as the Web evolved, HTML's initially simple tag set encouraged "hand-crafting" of Web pages, misuse of tags to achieve formatting effects, and proprietary additions to HTML by browser and application developers who needed richer markup to support additional functionality. Furthermore, while HTML can be described using a DTD, the vast majority of HTML on the Web is invalid. Taken together, HTML's fundamental limitations and typical usage without validation make it difficult for search engines and automated processes to exploit Web information because of the lack of reliable semantic encoding.



XML can solve these problems with HTML and give the Web a much stronger capability for electronic commerce. XML makes it possible to encode information with meaningful structure and semantics in a very accessible notation that is both human-readable and readily processable by computers. While XML 1.0 adds no new modelling capabilities beyond those that have been available in SGML for over a decade, the simpler XML syntax makes it much easier for non-specialists to participate in the design of new markup languages.

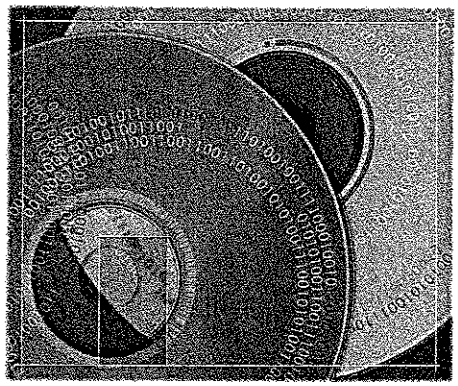
Is XML a replacement for EDIFACT?
Despite rapid advances in Internet-based technologies, the use of traditional EDI languages such as UN/EDIFACT are likely to continue growing for the next five to 10 years. EAN International does not expect that XML will replace EDIFACT in the near future; XML and EDIFACT are likely to be used as complementary standards during the next decade. XML and EDIFACT are EDI languages – with their strengths and weaknesses.

In July 1999, EAN International commissioned an independent study investigating the role, which EAN•UCC should play in XML developments. The study recommended that EAN International and the UCC get actively involved in the development of XML for the EAN•UCC community.

The first step in implementing this recommendation is to be launched soon as an EAN•UCC XML pilot project. The project, which involves EAN•UCC members in all corners of the globe, will focus on the creation and testing of XML components for master data alignment, ordering, dispatching and invoicing applications. Test transmissions are scheduled to start during the second quarter of 2000 and to run for a full year.

The purpose of these tests is to allow EAN International and the UCC to start standardizing XML dialects. The EAN•UCC system will thus become the driver for the creation of re-usable XML components, allowing the EAN•UCC members to communicate without fear of dialect confusion. Mechanisms to develop and publish such XML components will be put in place following the successful completion of the proof-of-concept pilot project.

ELECTRONIC CATALOGUES



In June 1998, EAN International published the document Electronic Catalogues: EAN Recommendations, which was intended to help EAN Numbering Organizations and other parties in setting up electronic catalogues. The document was endorsed by the ECR Europe EDI project, which was also investigating the subject of master data alignment using electronic catalogues. The results of the ECR Europe investigation found that unless corrective action was taken, the speed of catalogue development would result in a situation where the interoperation of electronic catalogue services would not be possible in the future.

To address the problem, the ECR Europe EDI committee launched the Inter-Operability of Data Pools (IODP) project. The aims are to identify the user company requirements for catalogue inter-operability and to produce recommendations on how to make inter-operability a reality.

To help push forward the work of the EAN International Electronic Catalogues and of the ECR Europe IODP, EAN International brought together experts to investigate how to successfully realize the ECR Europe vision of inter-operability.

This latter project was called Global Data Alignment Service (GDAS). With the aim of identifying the key success criteria of the ECR Europe project, its findings were published in February 2000. EAN International intends to continue pushing this matter forward.

> AUTOMATIC DATA CAPTURE

GENERAL EAN•UCC SPECIFICATIONS

January 1999 saw the release of the global Automatic Data Capture (ADC) standards manual, also known as the General EAN•UCC Specifications. Representing the full integration and harmonization of the global standards, the ISO/IEC symbology specifications relevant to the EAN•UCC system were incorporated and released in October 1999. A chapter giving recommendations on symbol placement for trade items and logistic units was released at the same time.

The General EAN•UCC Specifications is a live document. Changes, such as the addition of three new Application Identifiers, are being made on a continuing basis in order to meet the changing requirements of global EAN•UCC system users.

A new version of the manual integrating all the above changes and amendments has been released in January 2000. The new document is available to users in paper as well as in CD-ROM format. The latter will form the basis of other electronic tools for standard maintenance and development currently being worked on by EAN International.

RSS / COMPOSITE SYMBOLOGY

Always looking to improve supply chain management and other business processes to reduce costs and/or add value, EAN•UCC began studies in 1996 to identify solutions for space constrained product marking applications where existing EAN•UCC standards could not be applied effectively. This resulted in the development of the Reduced Space Symbology (RSS) and Composite Symbology. RSS, a linear symbology, was developed to encode the GTIN (Global Trade Item Number) on space-

constrained items where existing linear symbologies could not normally be used.

At the same time, a new class of symbol was also being designed, known as the Composite Symbology. RSS bar codes can be combined with a 2D Component to form an entirely new class of symbology – the EAN•UCC Composite Symbology. It consists of a linear symbol accompanied by a two-dimensional symbol printed on top of the linear. The linear component can be any one of the following linear symbologies, such as the EAN/UPC, UCC/EAN-128 or RSS.

The technical specifications for these two new solutions are now available, and are expected to be fast-tracked into becoming ISO/IEC standards in the near future. In line with the technical development has been work with Application User Groups, in the areas of Variable Measure, Logistics, Very small items/healthcare and Loose Produce.

At the end of November 1999, EAN International and the UCC co-hosted a one-day conference and workshop. With nearly 60 participants from retail, manufacturing and produce supplying, equipment suppliers and EAN Numbering Organizations attending, the day started with a plenary session followed by two workshop sessions in the afternoon. It was designed as an occasion to allow users and potential users of the EAN•UCC system a chance to get more detailed information and to see the technology demonstrated.

EAN International and the UCC expect to be releasing application specifications for this new tool in 2000

RADIO FREQUENCY IDENTIFICATION

In 1998, EAN International and the UCC launched a global project team with the objective of determining the main supply-chain applications that could benefit from radio frequency identification. In November 1999, the EAN•UCC RFID Project Team published their 'White Paper' on RFID in order to stimulate further discussion and feedback from potential users and manufacturers.

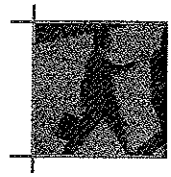
The White Paper argues that RFID is a highly useful complement to existing EAN•UCC tools for applications that might include the management of assets such as returnable transport items, logistics management such as the tracking and tracing of perishable items, and electronic article control.

However, the investigations carried out by the EAN•UCC team also identified several potential drawbacks of RFID. A first finding was that the technology lacks focus and is too diverse and undefined for users to make clear and qualified judgements about its merits. In addition, RFID standards are some time away and are highly dependent on technological developments. It was nevertheless recognized that the market requires short-term solutions.

To move the standardization process along EAN International has been actively involved in the work that ISO/IEC has been doing with RFID technical standards for item management In addition, EAN International and the UCC are actively working with other groups that are also committed to developing standards in this arena. These include the CPMA (Consumer Products Manufacturers Association) and the GCI (Global Commerce Initiative).

To ensure the data content of RFID tags remains the same as bar codes, EAN International is also involved and anticipates that standards will be available within 2 years.

6> ADDING VALUE TO THE BUSINESS COMMUNITY



Rapid evolution of roles in the value chain, new channels of distribution, shifting demand patterns globalisation and increased service expectations are all factors that have resulted in new business buzzwords such as Efficient Consumer Response (ECR) or Supply Chain Management (SCM).

These new concepts require better co-operation between companies in the supply chain. They are receiving top-management attention. And they have raised the importance and visibility of EAN•UCC standards in the business world.

The use of information and communication technology (ICT) is growing rapidly in supply-chain management thanks to major technological advances. Information and communication technology is being used to boost the efficiency of existing processes or to invent new ones. These advances have made electronic commerce possible, and e-commerce is drawing a lot of attention as a strategic issue for many businesses. Although the term e-commerce is used in many different contexts, the important thing for EAN International and its user community is that information and communication technology use will continue to grow at a rapid pace, fuelling unprecedented need for consistent rules – the global, open standards that EAN•UCC provides.

AGROCHEMICALS AND EAN•UCC STANDARDS

European and North American agrochemical industry representatives agreed to introduce full compatibility of crop protection product coding in Europe, the USA and Canada based on EAN•UCC standards in February 2000. The decision is hailed by EAN International as an important step leading to the acceptance of the EAN•UCC system as the international standard for the agrochemical industry.

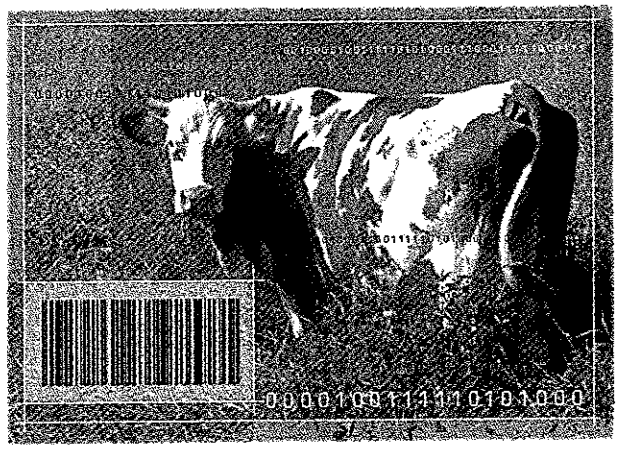
EAN International and UCC are participating in the CRISTAL/RAPID Product Coding Convergence Working Group. The working group intends to put together a proposal for a product coding solution to be applied globally. Recent discussions between the CRISTAL and RAPID project teams indicate that they are finding common ground, paving the way to the use of EAN•UCC standards by agrochemical companies in the Asia Pacific region, Latin America, the Middle East and Africa.

CONSUMER SAFETY – MEAT PRODUCTS AND FRESH PRODUCE TRACEABILITY

EAN International facilitates efficient international meat trade and food safety by developing and promoting global solutions for the identification, communication and traceability of meat products. In co-operation with the governments of major meat producing countries, EAN•UCC system tools are deployed in support of the United Nations Economic Commission for Europe (UN/ECE) Meat Carcasses & Cuts Standard.

The EAN•UCC system is utilized as the recommended standard codification system to enhance the communication between buyers, sellers, and third-party conformity assessment entities.

The combination of automated data capture, electronic data interchange and DNA technology provides a powerful leap forward in quality assurance, process control and food safety. The ability of EAN•UCC system-based food traceability plans to display the origin of consumer beef packs and use of DNA technology to verify this information makes it possible to reassure consumers on the integrity and quality of meat products. EAN International participates in the Meat Automation Concerted Action; a project financed by the European Commission, together with end user representatives, research organizations and equipment manufacturers. The objective of the project is to improve the competitiveness product quality of the meat sector for the benefit of the consumer.



Consumer safety has become a critical issue in the food industry. EuroHandelsinstitute (EHI), the European Association of Fresh Produce Importers (CIMO), the Euro Retailer Produce Working Group (EUREP), the European Union of the Fruit and Vegetable Wholesale, Import and Export Trade (EUCOFEL), and the Southern Hemisphere Association of Fresh Fruit Exporters (SHAFFE) are collaborating with EAN International in developing guidelines for the application of EAN•UCC standards in the identification, communication, and traceability of fruits and vegetables.

EAN•UCC IN HEALTHCARE

During 1999, France and Poland joined the ranks of the 44 countries using the EAN•UCC system for the coding of pharmaceutical products.
The Japanese Federation of Medical Devices Associations, meanwhile, adopted the EAN•UCC system for medical and paramedical supplies with the support of the Japanese Ministry of Health and Welfare.

In a similar move, the Australian healthcare sector, with the full backing of the government, has opted for the EAN•UCC system for the coding of all prescription and over the counter drugs.

The use of the EAN•UCC system is not restricted to the identification of healthcare products. Hundreds of hospitals around the world are successfully using the system to meet their logistical, supply and administration requirements. The Thai Ministry of Public Health, for example, has elected to implement the EAN•UCC as the official national system for the healthcare sector.

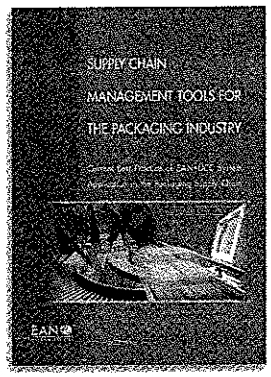
EAN International supports and participates in a number of healthcare industry initiatives to better support users of the EAN•UCC system. One of

these initiatives is the Bringing Improvements in Healthcare Processes (BIHP) project. BIHP was launched with the Healthcare Centre of Excellence of Deloitte & Touche to develop a global healthcare supply-chain model starting from the patient and moving all the way up to the suppliers of drugs, medical, surgical and other healthcare products.

The goal of BIHP is to reduce costs and improve the quality of service. The project will demonstrate the benefits of process re-engineering and the use of information-technology tools based on EAN•UCC standards for all players in the healthcare sector.

Supply Chain Management Tools for the Packaging Industry

The Packaging Supply Chain Project was started to develop and promote efficient supply-chain solutions for suppliers of packaging materials. These solutions enable consumers, industry customers and shareholders to benefit from global business standards and electronic business tools.

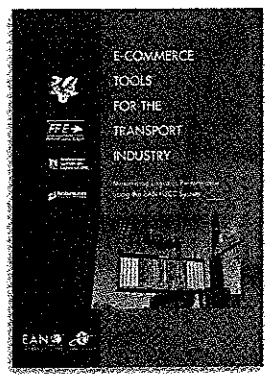


The brochure "Supply Chain Management Tools for the Packaging Industry" summarizes the results of the project. It also provides a guide for packaging companies, as well as for their customers and suppliers, which want to introduce EAN•UCC standards to support advanced supply-chain management and strategic initiatives, such as efficient consumer response.

The publication includes current best practice examples of EAN•UCC system application in the packaging supply chain and key recommendations to the suppliers of packaging materials.

E-Commerce Tools for the Transport Industry.

In "E-commerce Tools for the Transport Industry", eight leading transport service providers illustrate how they support efficient handling, inventory management, product movement, shipping and delivery.

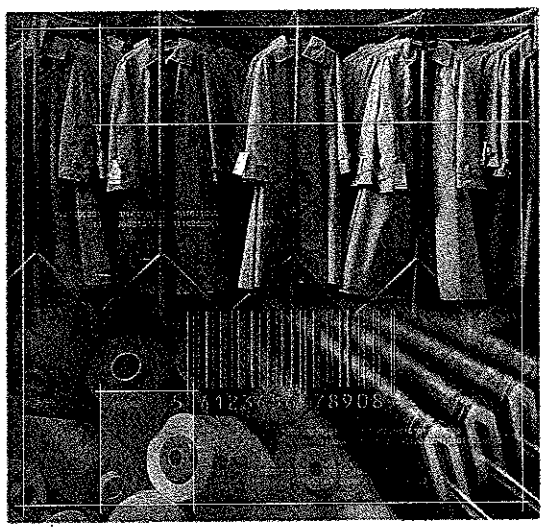


In 1997, EAN International and UCC launched the Trans-core Project to study the transport and logistics information requirements in various transport modes. The Trans-core Project utilized the Business Process Modelling technique to understand how logistic and transport processes (i.e. sets of interrelated business functions or tasks) work and how they are structured. This resulted in the Trans-core Multi-modal Model, which graphically displays how business transactions are conducted throughout the supply chain and how transport providers, and their customers exchange data with each other.

The newly launched EAN International Global Transport Initiative intends to provide a global standard practice based on the Trans-core Multi-modal model. It will provide supply-chain partners with guidance and tools to define which data must be bar-coded on transport goods and which information must be available on accompanying documents to be transmitted via EDI or the Internet.

TEXTILES AND APPAREL MANUFACTURERS BENEFIT FROM THE EAN•UCC SYSTEM

Efficient supply-chain management calls for all trading partners to abide by procedures and international standards that are compatible both downstream (finished products) and upstream (raw materials and semi-finished products) in the textiles and apparel sectors.



The "Supply Chain Management for Textiles, Apparel and Garments Project" launched by EAN International and sponsored by leading apparel manufacturers, want to improve industry efficiency and productivity by applying the EAN•UCC system. The goal is to streamline, automate and integrate processes between supply-chain trading partners. Several pilot projects are being launched to validate the benefits of using the EAN•UCC system in this sector.

SOFTWARE HOUSES AND THE EAN•UCC SYSTEM

EAN•UCC has begun a campaign to further strengthen relations to major software makers that incorporate its system in their products. The objective is to ensure that EAN•UCC members who use Enterprise Resource Planning and other software are able to seamlessly use the EAN•UCC system. Rosetta Net, the information technology and electronic components industry standards consortium has selected the EAN•UCC Global Trade Item Number (GTIN) as their standard for unique product identification. The 14-digit GTIN will support electronic-commerce processes within the supply chains of the information technology and electronic components industries, providing full tracking and tracing of inventories, orders, billing and transportation. The UCC and EAN International have assigned staff to work with Rosetta Net members offering support for the implementation of the EAN•UCC system.

GLOBAL BUSINESS MODEL

EAN International and its partner the UCC developed a Global Business Model that will help information system experts, consultants, academics and logistics professionals better understand the use of the EAN•UCC system in business processes.

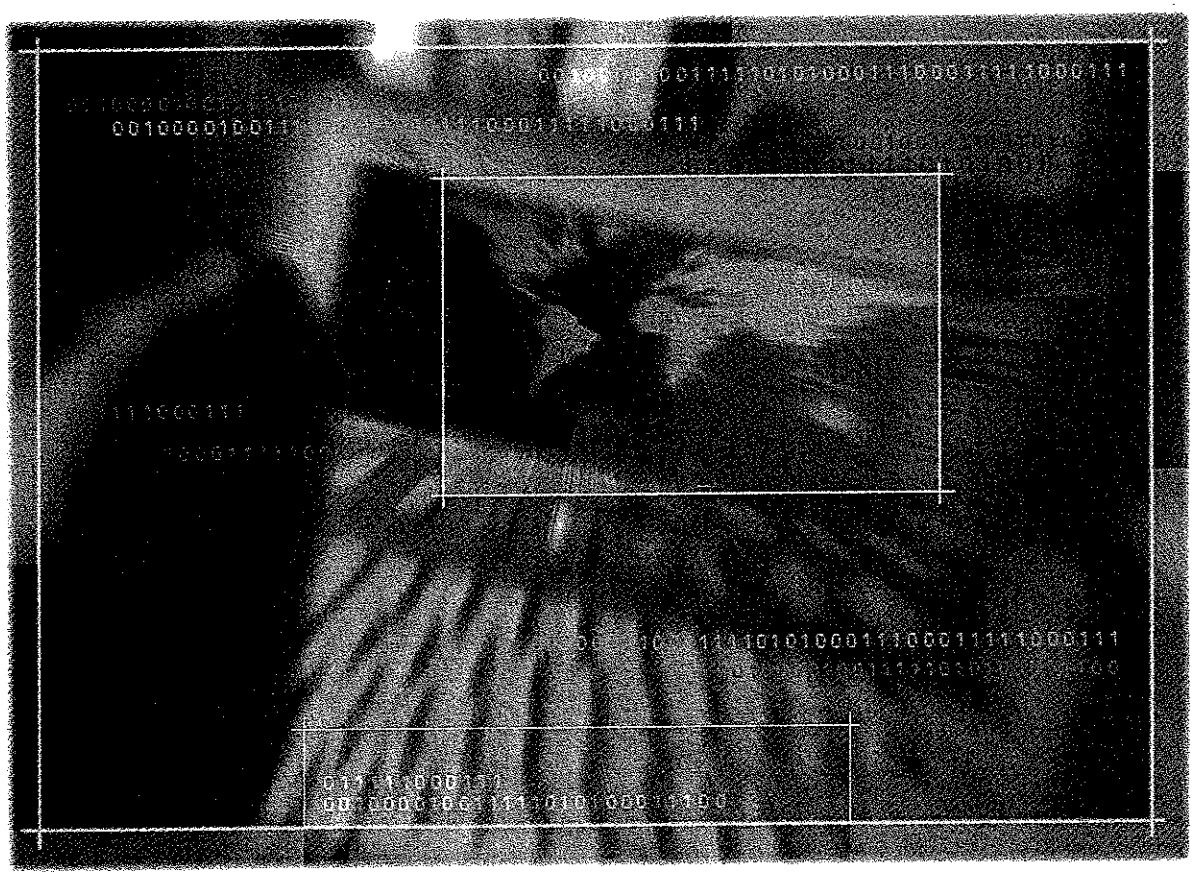
7> Global Reach – Global Presence

EAN International and the Uniform Code Council provide the world economy with global supply chain standards: a global language of business.

Our presence is global: national EAN organizations support EAN•UCC system users in 94 countries and the system is administered in the United States of America & Canada by our global partner: the Uniform Code Council.

EAN•UCC standards have a global reach: over 800,000 companies in more than 100 countries today use the EAN•UCC system.

> Global Presence



:21+S'CUX+2:GBP:9+3:BEF:A+48.50'DTM+134:1993

> GLOBAL RESEARCH

HELP DESKS

At the EAN International head office, three e-mail help desks offer quick and competent advice on all questions related to EAN . For questions related to electronic commerce, turn to **edihelp@ean.be.** Questions on automatic data capture can be directed to **adchelp@ean.be.**

Please mail your general enquieries to **info@ean.be.**

Many national EAN organizations offer similar helpdesks in the local language. Please refer to the section Synopsis of the Activities of the Member Numbering Organizations.

WEB SITE

Due to the fast and continuing evolution of web technologies and applications, the EAN International Head Office decided in September 1999 to revamp its web site **www.ean.be.**

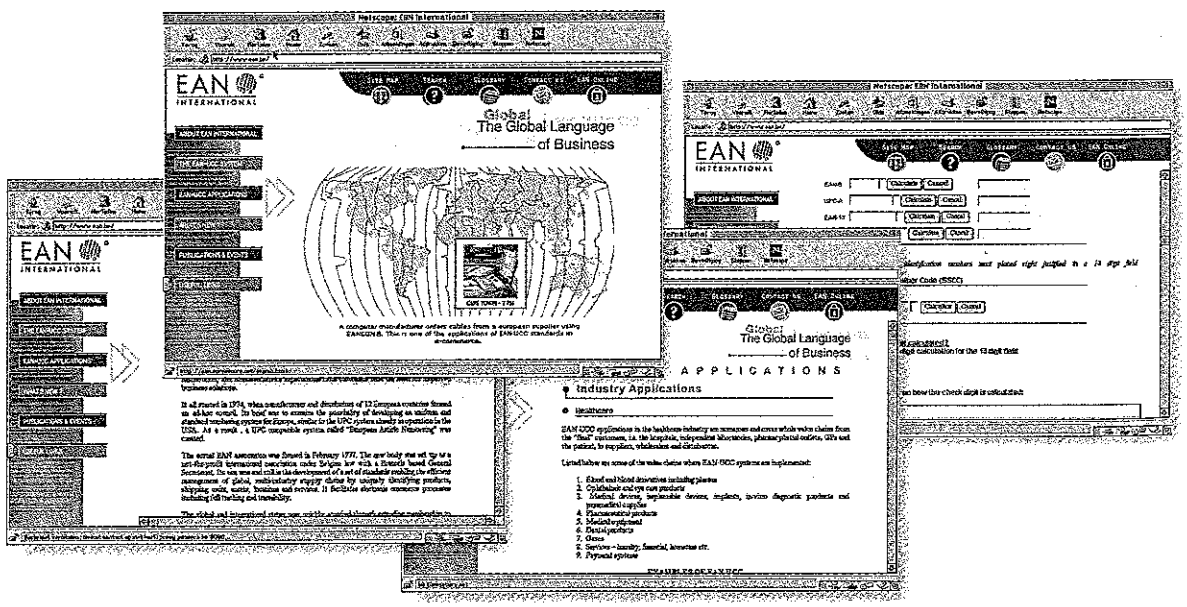
The objectives of this upgrade are:

- to better promote the EAN•UCC system
- to highlight EAN's pro-active role in new technologies and developments such as e-business or XML
- to provide information on the EAN•UCC system at an international level
- to reshape the structure
- to improve the design
- to facilitate navigation

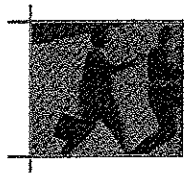
The following features and functionalities will add value to the content of the new EAN International web site:

- a section on RFID (radio frequency identification)
- a section on XML/EDI
- training tools
- case studies
- examples of applications of the EAN•UCC system in various areas such as the healthcare, transport, packaging, meat and computer industries
- a glossary of technical terms
- a feedback form
- a site map
- a search engine

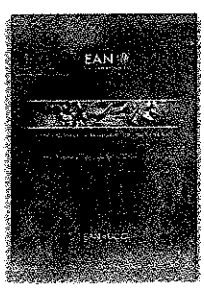
The new EAN International web site is planned to be on-line in the course of April 2000. Keep this date in mind, go and visit it and send us some feedback.



Z'TDT+20++30+31'TOD+3++CIF'LIN+1++4000862141404:EN'PIA+1+ABC1234:BP'IMD++C++TU:

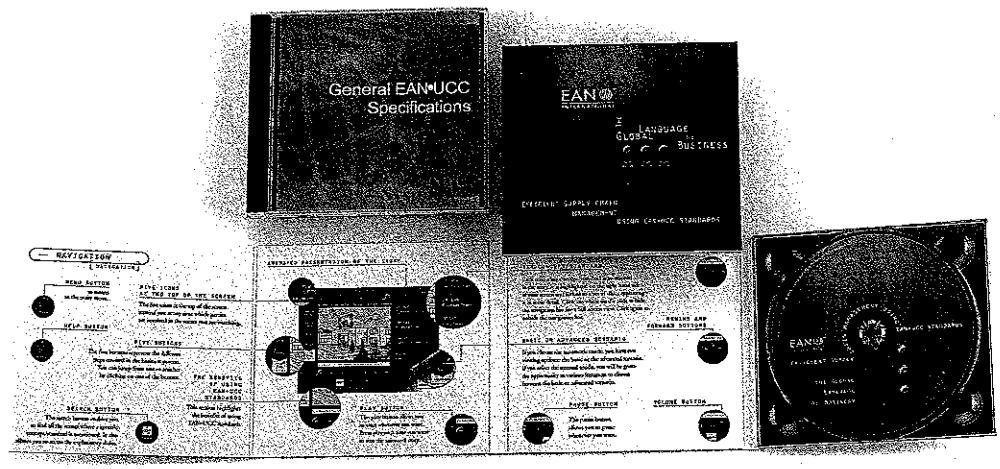


- Annual Report
- Bar Codes & EDI for Healthcare Providers
- Computer Assisted Ordering (CAO). How to use the EAN•UCC standards
- Continuous Replenishment. How to use the EAN•UCC standards
- Corporate Brochure- The Global Language of Business
- Cross Docking. How to use the EAN•UCC standards
- Customer Specific Articles User Profile
- EAN Applications in the Healthcare Sector
- EAN Directory
- EAN Location Numbers. A Key Concept in Communication.
- EAN Operational Manual (for EAN Numbering Organizations only)
- EAN Training interactive CD
- EAN•UCC Logistics Label and the SSCC
- EAN•UCC Solutions for Payment Processes
- EAN•UCC General Specifications
- EAN•UCC Solutions for the Textile and Apparel Industry
- EANCOM® 1997 4 A4 MANUALS + 3 diskettes
- EANCOM® 1997 CD
- EANCOM® an International Standard for EDI Communication
- Electronic commerce Tools for the Transport Industry
- Electronic Catalogues – EAN Recommandations
- Electronic Commerce in the EAN Community 1998.
- Identifying Products and services with the EAN•UCC system
- Improving The Business Potential. An Int'l Guide for Identifying and Bar coding Healthcare Products for Manufacturers and Distributors
- Introduction to EANCOM® in Trade and Finance
- Introduction to EANCOM® in Trade and Transport
- Introduction to EDI
- Introduction to the Serial Shipping Container Code
- Metered Services User Profile
- Position Paper on Lite EDI
- RSS and composite symbology
- Security for EANCOM® Messages
- Solutions for Supply Chain Management: A.I. & the UCC/EAN 128 symbology
- Status of the Coding of Pharmaceutical Products
- Supply Chain Management Tools for the Packaging Industry
- The Application of EANCOM® for the Trade of Healthcare Products
- The Application of EANCOM® for the Trade of Shoe Products
- The role of EAN in ECR
- Traceability of Beef. Appl. of EAN•UCC standards in Implementing Council Regulation (EC) N° 820/97
- Vital in Communications: EAN Location Numbers



CD ROM

Training CD
General EAN•UCC Specifications – Electronic Format



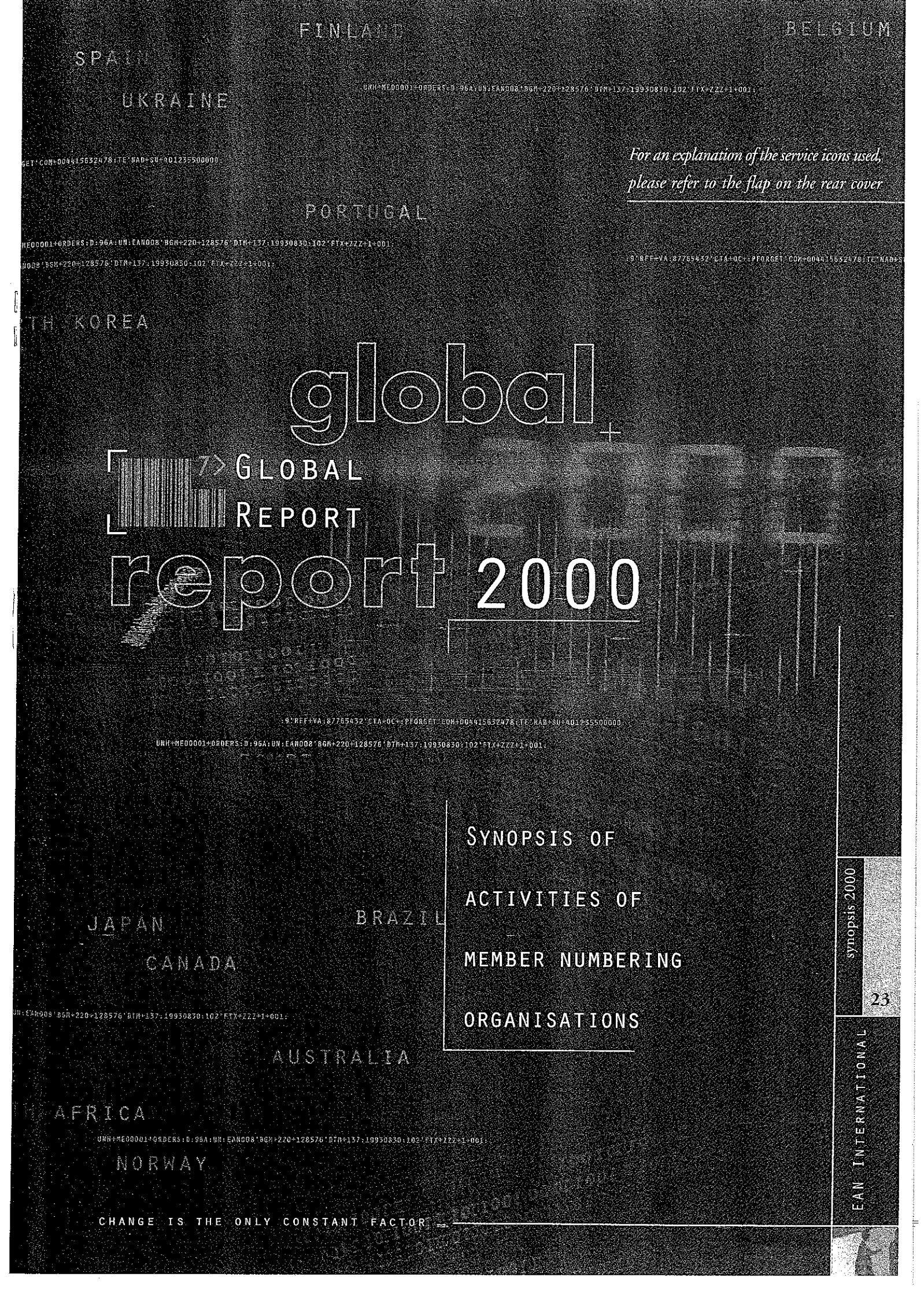
TRAINING

In order to constantly increase the level of knowledge of the EAN staff worldwide, the Member Services Department has, since its creation in 1998, put a lot of emphasis on training offered to the numbering organizations. It's divided into two categories: the EAN Training Centre which offers regular training seminars on ADC, EDI (essentials and advanced) and Market Development areas at the Head Office, and regional training, which is an opportunity offered to our members to have a training seminar held in their region.

The EAN Training Centre:
Seven training sessions were held in 1999 at the Head Office. Attendants came from Western Europe, the Middle East, Eastern Europe and Asia. During the ADC training sessions, the tests held both at the beginning and at the end of the sessions showed an average increase performance of 40%. An average of 15 persons attended the sessions. Investment has been made in verification equipment in order to improve further the quality of the training. As of the year 2000, external speakers will complete the training team.

Feedback from participants was highly positive. Group exercises developed in ADC and EDI training sessions helped understanding the theory by applying it to concrete situations.

Regional training:
In April 1999 an EANCOM® training seminar was held in Singapore. 27 participants representing 13 countries attended the training.
In May 1999 EAN Australia offered a technical ADC training to the countries of the region, based on the one offered at the Head Office. Kenya joined EAN International in May 1999 and was offered an on-site, 2-day training covering the EAN•UCC system, the allocation of numbers and the role of numbering organizations.
Two other new members, EAN Azerbaijan and EAN Saudi Arabia, came for start-up training at the EAN International Head Office in Brussels.
The first training seminar on Healthcare was held in Thailand in July 1999. There were 16 people attending representing seven countries. On average the seminar participants improved their knowledge by 50% according to pre- and post-seminar examinations.
In Latin America, EAN Colombia hosted two training seminars in November 1999. The first seminar was dedicated to in-depth coverage of ADC topics and the second one to the healthcare sector. 56 people attended the sessions, representing 18 countries from the region.
EAN International is aware of the importance of maintaining a high level of knowledge among members. The training offer will keep being improved.



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

global+ 7> GLOBAL REPORT report 2000

SYNOPSIS OF ACTIVITIES OF MEMBER NUMBERING ORGANISATIONS

CHANGE IS THE ONLY CONSTANT FACTOR

synopsis 2000
23
EAN INTERNATIONAL

ALGERIA

EAN ALGERIE - ORGANISATION ALGERIENNE DE CODIFICATION DES ARTICLES (JOINED IN 1994)
ROUTE NATIONALE N°5
EL ALIA-BAB EZZOUAR - BP 250 EL MADANIA
TEL: 613 2 24 30 99
FAX: 613 2 24 45 12
e-mail: eanalgerie@wissal.dz

During 1999, EAN ALGERIE continued to work towards the expansion of the EAN•UCC system mainly within the food, cosmetics, textile and healthcare sectors. At the end of 1999, EAN ALGERIE had 230 members, this is an increase of 49.03% . A total of 75 manufacturer numbers have been allocated during 1999 and a total of 1453 product codes have been assigned. An increase of 137% over last year (611 codes). During 1999, EAN ALGERIE has participated to three important fairs in Algeria : The National Product Fair (June 1999), The International Fair of Algiers (October 1999) and The International Fair of food and packaging (November 1999). During the year, EAN ALGERIE increased its promotional activities by encouraging the use of EAN•UCC numbering and bar coding application and distributing information leaflets on EAN•UCC standards and application to companies during economic fairs.

ARGENTINA

EAN ARGENTINA (JOINED IN 1985)
VIAMONTE 340 P. 1
1053 BUENOS AIRES
TEL: 54 11 4510 1730
FAX: 54 11 4510 1740
e-mail: aapcomer@infovia.com.ar
web site: www.codigo.com.ar

EAN ARGENTINA extended its activities to other sectors (transport and healthcare). There has been much progress in textile and fresh produce, with the development of pilot projects of the use of EDI in those sectors. The Permanent Logistics Committee, with around 30 directors and logistics managers of the most important companies in Argentina involved provided an important work, with an exhaustive study of the problem of efficient pallet management throughout the supply chain and the development of an electronic catalogue for logistic database alignment.

ARMENIA

EAN ARMENIA (JOINED IN 1996)
KOMITAS AVE. 49/2
375051 YEREVAN
TEL: 374 2 234 778
FAX: 374 2 285 620
e-mail: paslanian@england.com
web site: www.sarm.am/ean.htm

EAN ARMENIA held several seminars on the packaging, textile and meat sectors. EAN ARMENIA kept on working on extending the EAN•UCC standards amongst others by issuing promotional brochures.

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: eanaust@ean.com.au
web site: www.ean.com.au

EAN AUSTRALIA actively participates in a number of healthcare projects and initiatives. The Australian Government Health Department in conjunction with the Healthcare Industry has agreed to adopt the EAN•UCC system for pharmaceutical products, in both clinical and supply chain applications. It will resume its activities in the transport sector and has been working with the meat industry, producing the "EAN Guidelines for meat traceability". Membership grew to 11.126 and a record number of samples (90.000) have been barcode tested using Australia's verification services.

AUSTRIA

EAN AUSTRIA - GESELLSCHAFT FÜR KOOPERATIVE LOGISTIK GES.M.B.H. (JOINED IN 1977)
MAYERHOFGASSE 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 working on its ECR activities in the transport sector. The transport service providers participate in working groups and in pilot projects. In the healthcare sector, scanning at the point-of-sale (POS) and in logistics application is increasing. The use of UCC/EAN-128 for encoding more information on products and logistic items is being discussed. EAN AUSTRIA are in the phase of setting up pilot projects with major Austrian packaging suppliers and key suppliers of branded goods in the field of corrugated carton production. In the meat sector, EAN AUSTRIA co-operates with the organisation in charge of implementing EU beef labelling regulations in Austria (AMA) and convinced them to recommend UCC/EAN-128 for the tracking and tracing of beef products.

AZERBAIJAN

EAN-AZERBAIJAN
42, KHAGANI STR.
BAKU-370010
TEL: (99412) 935463
FAX: (99412) 984856
e-mail: khazri@azeri.com

EAN AZERBAIJAN received grants from the Open Society Institute-Azerbaijan (Soros) and Eurasia foundations for doing research on the use of barcodes in Azerbaijan.EAN AZERBAIJAN is working to increase the number of bar code users in Azerbaijan and attract representatives of other manufacturing sectors.

BELARUS

EAN BELARUS (JOINED IN 1997)
25, ACADEMICHESKAJA STR.
MINSK, 220072
TEL: 375 17 284 19 55
FAX: 375 17 284 22 77
e-mail: ean@bas-net.by

EAN BELARUS works in close contact with the republican commercial and industrial chamber and with bodies of coordination and management in the following branches: textiles, healthcare, electronics, mechanical engineering, manufacture of food products and processing of agricultural production. In 1999 EAN BELARUS continued to work on promoting

the EAN•UCC system in Byelorussia mainly to the food, beverages, and cosmetics sectors and primary for exporting companies. EAN BELARUS will take part in the development and the introduction of the standards in the field of automatic identification appropriate to the requirements international standardisation and EAN•UCC system in the Russian language together with UNISCAN/EAN RUSSIA and other independent states of the former Soviet Union.

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

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ICODIF/EAN BELGIUM.LUXEMBOURG is working with several associations and official bodies in the meat sector and was requested to make proposals for barcoding meat labels. Proposals include identification and traceability from slaughter house to packaging. In December 1999 a succesful pilot phase with 5 EANCOM® messages led to the publication of 5 User Profiles for the carpeting sector. These User Profiles were also presented to the European Carpet Association that is willing to promote them as European EDI-solution. ICODIF/EAN Belgium.Luxembourg developed a technical concept of an electronic product catalogue (CDB or Central Data Bank). Several retailers and suppliers, members of the CDB project team, are willing to participate in a pilot to be launched early 2000.

BOLIVIA

EAN BOLIVIA - Instituto de Codificación Comercial (joined in 1994)
Suárez de Figueroa No. 127
Santa Cruz
TEL: 591 3 334555
FAX: 591 3 342353
e-mail: ean.bolivia@cainco.org.bo
web site: www.cainco.org.bo

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EAN BOLIVIA wants to increase its participation in the foods and beverages industry. An important leading supermarket applied the EAN•UCC system and therefore EAN BOLIVIA's membership increased with 62%. At the same time EAN BOLIVIA is promoting the use of the system in the textile, pharmaceutical and chemical sectors. A new office has been established in La Paz to give broader service to members.

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

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

BRAZIL

EAN BRASIL - Associação Brasileira de Automação Comercial (joined in 1985)
Alameda Santos, 2441 9° 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

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EAN BRASIL intensified its efforts in the furniture, fresh produce, construction material and healthcare sectors. In the latter, EAN BRASIL is helping the brazilian Government in the implementation of the health history card, working with hospitals in the process of automation and participating in a working group with the pharmaceutical laboratories to implement the INVOIC (pilot project). EAN Brasil organised a large number of events for the targeted industries.

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

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BCCI focussed on the implementation of the EAN•UCC standards and the growth of 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.eanchile.cl

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In the healthcare sector EAN-CHILE is currently developing an ECR project to be implemented between laboratories and pharmacies. In the meat sector: they are working on a traceability project. In fresh produce they are working on a project which includes the codification of products and packaging units and the standardisation of the latter divided into species and specific weight. EAN CHILE has made its publication "Barras" within the Chilean market as the e-commerce magazine. It published several special issues about fresh produce Since December '99 they have a new magazine "Loglstica y DistribuciÚn" which focuses on logistics and distribution. EAN CHILE is also working on its web site, in order to offer a better service and a more interactive tool to its members, linked to the new upgraded EAN-Chile electronic catalog.

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

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ANCC enhanced its membership service. They are setting up an electronic catalogue for products. They also drew up several national standards on EDI, 2D barcode & RFID and carried on RFID & 2D barcode applicational research.ANCC has also been active in increasing its relationships with governemental departments related to their target sectors.

COLOMBIA

IAC COLOMBIA (JOINED IN 1989)
AV. DORADO No. 68 B- 85 TORRE 2 PISO 6
SANTAFE DE BOGOTÁ
TEL: 57 1 4270 999
FAX: 57 1 4270 212
e-mail: iaccol@ibm.net
web site: www.iaccolombia.org

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IAC COLOMBIA concentrated on the development of electronic commerce in a wide range of sectors: retail and manufacture, finance, transport, textile, healthcare and social security. In the finance sector, they extended the use of the EAN•UCC system in 41 companies and 12 financial institutions. A pilot project is also being led in the insurance sector in 3 companies. IAC COLOMBIA is promoting the use of the EAN•UCC system in relationship with ECR in various 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: eancostarica.co.cr

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EAN COSTA RICA worked on the implementation of the EAN•UCC standards in the healthcare, customs, meat and fresh produce sectors. EAN COSTA RICA is working in close relationship with the academic world in order to include the standardisation theme in courses given at the University.

CROATIA

EAN CROATIA - CROATIAN ARTICLE NUMBERING
ASSOCIATION (JOINED IN 1992)
ROOSEVELTOV TRG 2
10000 ZAGREB
TEL: 385 1 4826 342
FAX: 385 1 4826 347
e-mail: mail@cro-ean.hr
web site: www.cro-ean.hr

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EAN CROATIA is implementing the EAN•UCC system as the national standard for variable measure trade items for the meat, cheese and fish industries (CRO-SCAN). They organize various seminars on UCC/EAN-128, RFID. EAN CROATIA launched a project on EDI and Global Location Numbers, finished the first phase of an Electronic Catalogue project on CD-Rom and promoted the EANCOM® and XML to their members.

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: ean@camara.com.cu
web site: www.camaracuba.com.cu

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EAN CUBA works with designers, publicity companies and research institutes involved with film master production, labels and packaging. During 1999 EAN CUBA maintained close relations with importers, exporters, distributors and retail companies of equipment and accessories for automatic data capture. The association held conferences, seminars, trainings and workshops for the member companies of the healthcare, pharmaceutical, construction industry and textile sector.

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 is organising a presentation on Healthcare on the 6th of April 2000, in cooperation with EAN Hellas, under the Mentoring Programme. Hospitals and clinics from the Public and the Private sectors have been invited, as well as the importers and manufacturers of pharmaceutical products and the clinical labs. EAN CYPRUS introduced the in-store coding standards and the variable weight identification standard for source market products.

CZECH REPUBLIC

EAN CZECH REPUBLIC (JOINED IN 1983)
NA PANKRACI 30
140 00 PRAHA 4
TEL: 420 2 6100 1145
FAX: 420 2 6100 1147
e-mail: eancz@mbox.vol.cz
web site: www.editel.cz/ean

>

EAN CZECH REPUBLIC co-operates with different associations, such as the Czech Logistic Association, the Czech Standardisation Institut, the Czech Post... It also initiated a national brand numbering for variable weight items (about 4500 units). The investments made by major distribution companies in Czech Republic increased also the use of the EAN•UCC System.

DENMARK

EAN-DANMARK (JOINED IN 1977)
ALDERSROGADE 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 DENMARK finalized the "Implementation Guidelines for public procurement" with more messages included. It also established close contact with the furniture sector and cooperates on Danish and Nordic

level with the metered supply sector – especially electricity. A steady increase in new members was recorded, spread out in all sectors. EAN DENMARK signed agreement with a Danish VANS provider – LEC – in order to implement a WebEDI solution based on LiteEDI starting June 2000.

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
web site: www.eanrd.org.do

>

EAN REPUBLICA DOMINICANA participated in important national healthcare fairs and seminars, published articles on applications of the system in the healthcare sector and released its first healthcare sector brochure. EAN REPUBLICA DOMINICANA is also starting to work with the Service Sector in order to promote the use of the EAN•UCC system. It started celebrating a major annual event: "Jornada EAN". It started publishing its quarterly bulletin which goes to all our members and potential members. It started working on the implementation of ISO 9002 Project.

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 is promoting the EAN•UCC system in the healthcare sector with seminars, training meetings in hospitals, social services, etc. the majority of pharmaceutical products now have bar codes. In the fresh produce, transport and packaging sectors, ECOP keeps on promoting the EAN•UCC standards. Due to its efforts, all products sold in supermarkets have bar codes and bar codes are being used in administrative activities as well as in governmental offices.

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 continued its promotional activities in different sectors organizing seminars and conferences.

BGM+220+128576'DTM+137:19930830:102'FTX+ZZZ+1+GO
UNH+MED0001+ORDERS:D:96A:UN:EAN008'BGM+220
ORDERS:D:96A:UN:EAN008'BGM+220+128576'DTM+137:19930830:102'FTX+ZZZ+1+GO

EL SALVADOR

EAN EL SALVADOR (JOINED IN 1998)
9ᵀᴴ. AVE. NORTE Y 5ᵀᴴ. CALLE PONIENTE
SAN SALVADOR - CENTRO AMERICA
TEL: 503 221-3212
FAX: 503 271-1940
e-mail: diesco.eansal@salnet.net

>

In the healthcare and textiles sector EAN El Salvador is promoting the Electronic Catalog as a Data Alignment Tool. The use of the EAN•UCC standards in the textile industry has been applied only for those companies who sell to the three major department stores. The implementation of a CUSTOMS EDI PROJECT, with the Finance Ministry, through their Customs General Direction. They have 45 member companies, between Customs Agents, Importing companies, Shipping and Transport companies. They are using CUSCAR, CUSDEC, and eventually they will use FINPAY. There was also the Creation of the National Logistics Committee.

ESTONIA

EAN EESTI (JOINED IN 1993)
TULIKA 19,
10613 TALLINN
TEL: 372 6 50 50 63
FAX: 372 6 50 50 93
e-mail: info@ean.ee
web site: www.ean.ee

>

The Estonian EDI Association together with EAN EESTI organised meetings with the companies interested in the use of EANCOM® in the transport sector. EAN-EESTI renewed the structure of the membership database to make it accessible through the internet by all the member companies. Global Location Numbers were also allocated to all the member companies. EAN EESTI started to issue periodical newsletter for its membership. More than 200 Powerpoint slides and presentations on the EAN•UCC system were translated into the national language and used on several seminars and informational meetings.

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. EAN FINLAND held several seminars for the trade and industry to implement the Logistics Label. It started assigning 9-digit manufacture numbers. Discussions are going on with ECR Finland to combine the two secretariats. Wholesalers are starting to migrate to the new Logistics Label.

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: info@gencod-ean.fr
web site: www.gencod-ean.fr

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GENCOD-EAN FRANCE is increasing its activities in the healthcare sector. It is cooperating with EDITRANSPORT in the transport

sector. GENCOD-EAN FRANCE released a CD Rom to introduce the EANCOM® messages to the packaging industry. In the textile sector, they work in collaboration with EDITex on a project to promote the use of a software using EDI and barcodes in fashion stores and in the meat sector they are working with the national meat industry and trade as well as EAN International on traceability of meat. GENCOD-EAN FRANCE published two new brochures for ECR and has been working on XML, RFID and the interconnection of Global Location Numbers database.

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

>

EAN GEORGIA increased its number of members, especially in the pharmaceutical sector.

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

>

CCG pursued many activities in the publishing, textile, furniture, transport, agriculture and healthcare sectors. In the latter, CCG organised two big events, the "Kölner Gespräche" and the fair "MEDICA". During 1999 the number of implementations of the UCC/EAN 128 transport label continued to increase tremendously. In 1999 the considerable increase of new member companies continued. Companies of new target sectors like chemical industry, meat industry, healthcare and transport are represented above the average of the new membership figures. In 1999 CCG presented EAN Standards for EDI/ADC applications on various European and International fairs like TRANSPORT, SCAN-TECH and EUROCARGO.

GREECE

EAN HELLAS - HELL.C.A.N. SA, HELLENIC CENTRE
OF ARTICLE NUMBERING (JOINED IN 1985)
5, AGHIOU DIMITROU SQU. & 2, DIOM. KYRIAKOU STR.
145 62 KIFISSIA,
ATHENS
TEL: 30 1 8083 931
FAX: 30 1 8019 156
e-mail: hellcan@elkeshp.ath.forthnet.gr

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Great succes has been achieved in the healthcare sector through intensive promotion of the EAN•UCC system. In the defence sector, EAN HELLAS is working in close collaboration with local NCB and Supply Directorates of AirForce and Navy. In the transport sector, it is collaborating with the Greek Association of International Freight Forwarders. EAN HELLAS is also working with ECR Hellas on the preparation of a user guide. In collaboration with the biggest distributor of periodical & daily press, EAN HELLAS provided a solution for a better management of the distribution and returns processes using the EAN system in conjunction with ISSN numbers. The Hellenic Organization of Telecommunications –one of the biggest organizations of the public sector - adopted the UCC/EAN-128 on payment slips. Six oil companies and two banks agreed for exchanging quick and precise information (products and services) through the use of EANCOM messages.

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

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EAN GUATEMALA worked actively in the healthcare sector. With the Pallet Committee, a great step ahead has been made in the packaging industry. Regarding variable weight items, 70% of them are now identified by an EAN/UCC-13. EAN GUATEMALA is now developing a guideline for the textile sector, and it has been establishing contacts with many companies that belongs to this sector and already use the EAN•UCC system to identify their products. EAN GUATEMALA also supported the creation of the Logistics Association of the Country. On May 99, it gave the first seminar about Electronic Catalogues. EAN GUATEMALA performed the last tests for the use of EDI via the Internet. EAN GUATEMALA also gave an ECR seminar about the best practices in the supply chain.

HONDURAS

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: diselger@itsnetworks.net
web site: www.si.hn/diselco

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EAN HONDURAS organized working groups and committees with a.o. equipment suppliers, producers, users of the EAN•UCC system. They also organized various seminars and exhibitions, issued magazines and promotional material and organized training sessions. Its membership base grew significantly and the is spreading in Honduras.

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

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HKANA organised the 2nd Annual Efficient Consumer Response (ECR) Asia Conference and e-commerce for Supply Chain Management Summit'99 in October. In conjunction with the University of Hong Kong, a Technology Centre for Electronic Commerce Standardisation was launched to promote e-commerce in Hong Kong. HKANA organised series of trainings and workshops to educate the public and industry. In the year of 1999, in addition to the FMCG sector, the major market of the Association, HKANA concentrated on two other sectors: healthcare & apparel/general merchandise. EDI for pharmaceuticals has been well developed and in the year of 1999, HKANA was working closely with Hospital Authority in Hong Kong to deploy its EZ*TRADE EDI service to non-pharmaceutical products. An industry seminar was held in July and the Hospital Authority officially kick-started the EDI (based on EANCOM®) with HKANA for the non-pharmaceutical sector. In view of the growing demand of efficient communication for the global support.

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In the processed foods and seafood exports sector, EAN India designed applications for traceability using the EAN•UCC system, which were accepted by the Quality Enforcement Agencies for compliance with international food safety/security norms. EAN India participated in the setting up of the Indian ECR board. In the defence sector, the first steps were taken to use the EAN•UCC system in the inventory processes in line with NATO best practices. EAN India studied the use of the EAN•UCC standards in the paper industry and in the pharmaceutical sector. Discussions were held with service providers (AIDC/EDI) to promote the use of the EAN•UCC system and EANCOM® standards. EAN India worked with the government to educate the export sectors on the use of the EAN•UCC system for export items. EAN India made presentations at more than 30 workshops/seminars jointly with apex industry associations and Government agencies and participated in the first ever AIDC exhibition/conference. All this contributed a high increase in members in 1999.

HUNGARY

EAN HUNGARY
RIGÓ U.3.
1085 BUDAPEST
TEL: 36 1 313 7034
FAX: 36 1 333 8170
e-mail: info@ean.hu
web site: www.ean.hu

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In the healthcare sector, HPMA established a consultation service in national implementation of the recipe follow up system based on EAN•UCC standards. In the transport sector, HPMA participated in the implementation of the EAN transport-label standard. In the meat sector, HPMA was active in the implemenation of UCC/EAN 128 on transport packaging. It also established a working party; studying problems of ECR upstream for the packaging industry. The restructuration of EAN Hungary as a self sustanable organisation financed by membership fees and introducing new services like the creation of a web site, the transfer of the membership data base whithin the GEPIR project onto the web and also the current work on an Electronic Catalogue.

INDONESIA

EAN INDONESIA (JOINED IN 1993)
JL.RP SOEROSO NO.26
JAKARTA 10350
TEL: 62 21 325 800
FAX: 62 21 310 33 57
e-mail: ean-indo@indola-net.id

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Many pharmaceutical factories in Indonesia are using the EAN•UCC system and EAN INDONESIA is now in the stage of convincing the Government of Drug and Food Inspection to make the use of bar codes mandatory. EAN INDONESIA held presentations at packaging and transportation seminars and to licencing authorities. All export oriented garment factories use the EAN•UCC standards. As a fall-out of the Asian economics crisis, a small number of bar code users has suspended their participation. However, due to EAN INDONESIA promotional efforts the number of users has increased substantially, reaching 1100 by the end of 1999. EAN INDONESIA has also taken the initiative to establish the ECR Indonesia Board, for which it acts as the Executive Secretariat. EAN INDONESIA web site is commencing to promote the commercial operation of its members.

ICELAND

EAN ICELAND (JOINED IN 1984)
ICETEC, KELDNAHOLTI
112 REYKJAVIK
TEL: 354 570 7100
FAX: 354 570 7111
e-mail: info@ean.is
web site: www.ean.is

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EAN ICELAND issued a National Guidelines of selected EANCOM® '97 messages. It also introduced Lite EDI and Web EDI and released a new brochure for different colours on barcodes. Several activities allowed to introduce the EAN•UCC system and EDI among interested companies.

IRAN

EAN IRAN (JOINED IN 1996)
19 SHAHID ABDOLLAHZAHED (DEHKADEH) ST.,
KESHAVAEZ BLVD., P.O. BOX 14185-671
TEHRAN
TEL: 98 21 65 09 64
FAX: 98 21 65 34 25
e-mail: cheragi@irtp.com

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EAN IRAN assigned EAN•UCC numbers to almost all of the medicine factories for their products. In the textile sector EAN IRAN defined a project to barcode Iranian carpets with RFID technology.

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
web site: www.eanindia.com

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

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EAN IRELAND kept on promoting the EAN•UCC standards in different sectors.

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: sigalb@industry.org.il

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EAN ISRAEL set up a technical committee for the consumption industry. In the healthcare sector, EAN ISRAEL is promoting the EAN•UCC system to hospitals and pharmacies. EAN ISRAEL moved from the pilot stage of EDI to real implementation. The development of Electronic Catalogues is being examined. EAN ISRAEL continues to check barcodes in retail stores and communicates the results to the suppliers. EAN ISRAEL organised in 1999 a seminar concerning e-commerce in the retail sector.

ITALY

INDICOD - ISTITUTO NAZIONALE PER LA DIFFUSIONE DELLA CODIFICA DEI PRODOTTI (JOINED IN 1977)
VIA SERBELLONI, 5
20122 MILANO
TEL: 39 02 777 2121
FAX: 39 02 78 4373
e-mail: indicod@indicod.it
web site: www.indicod.it

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In the meat sector, an extensive program has been established for the implementation of EAN•UCC solutions for meat traceability. This program is run together with the Breeder Italian Association and the Ministry of Agriculture. Contacts have been made with the textile companies in order to implement a web-based EDI service using the EANCOM 96. INDICOD launched a Business-to-Business e-commerce platform for members. It launched and managed a very extensive program for the adoption of the Euro in the consumer goods sector. This program has positioned INDICOD as the leading organisation in Italy coping with Industry-Trade relations and has made INDICOD a well recognized organisation in the Government, Public Administration and Consumer Associations. INDICOD developed a full program of initiatives based on Meat Traceability with EAN•UCC standards.

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: jan@dsri-dcc.or.jp
Web Site: www.iijnet.or.jp/dsri-dcc/

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The Japan Federation of Medical Devices Associations decided to adopt the UCC/EAN-128 in 1998. Some of the leading companies have started the source-marking with UCC/EAN-128 since 2000. Japan's Pharmaceutical Manufacturer Association adopted EAN/UCC-13 in the 1980's. Up to now, more than 90 % of the pharmaceutical products are source-marked with EAN/UCC-13 in Japan. Systematisation using EANCOM® has been started by leading retail businesses and some manufacturers. In the meat and fresh produce sectors, DCC and producers' association have been continuing the research and examination on the establishment of a classification code with the use of EANCOM®, UCC/EAN-128 since 1998.

JORDAN

EAN JORDAN - JORDAN NUMBERING ASSOCIATION
(JOINED IN 1997)
P.O. BOX 7704
AMMAN 11118
TEL: 962 6 5603507
FAX: 962 6 5684568
e-mail: ean@jedco.gov.jo
web site: www.ean.jedco.gov.jo

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The number of members keeps on rising in Jordan. EAN JORDAN organised two seminars at the University. The management board of EAN JORDAN approved a decision to reduce the registration & membership fees to meet the demand of its members & potential members. EAN JORDAN organised training courses for the technical staff of the major retail stores on EAN•UCC system applications.

KAZAKHSTAN

EAN KAZAKSTAN (JOINED IN 1996)
47, MYNBAIEV STR.
480008 ALMATY
TEL: 7 3272 45 75 78
FAX: 7 3272 45 59 32
e-mail: info@ean.almaty.kz
web site: www.ean.kz

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Kazakhstan's manufacturers of medicines are involved with the bar coding system. A packaging database was created with selected materials of international exhibits for packaging technologies, equipment and its accessories. Relationships have been set up with international packaging industry associations. EAN KAZAKHSTAN's membership base kept on rising in 1999 and offered a wide range of training courses and seminars. The association also created a Web site and published new promotional material.

KENYA

INSTITUTE OF PACKAGING -
C/O INDUSTRIAL PLANT (E.A.) LTD.
KAMPALA ROAD
NAIROBI
TEL: 254.2.542055/6/7
FAX: 254.2.543913 OR 536828
e-mail: ipl@form-net.com

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

UNH+MEQ

UNH+MEQ0001+ORDERS:D:96A:UN:EAN008'BGM+220

UNH+MEQ0001+ORDERS:D:96A:UN:EAN008'BGM+220

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@chamber.lv
web site: www.chamber.lv/ean

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EAN LATVIA has created an electronic catalogue which is available through the EAN LATVIA Web Site. They also developed a solution for the coding of variable measure retail items.

LEBANON

EAN LEBANON (joined in 1996)
CCIAB Bldg
Justinian Street/Sanayeh
P. O. Box 11
1801 Beirut
TEL: 961 1 744 774, 744 764
FAX: 961 1 743 377
e-mail: info@ean-lebanon.org.lb
web site: www.ean-lebanon.org.lb

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EAN LEBANON has been active in the retail sector. They have also introduced the use of the EAN•UCC system in two hospitals. The association also got the major packaging companies in Lebanon on board as members. On March 11, 2000 they held a seminar on bar coding of payment slips. EAN LEBANON increased its members. It co-operated in a big EDI project connecting all pharmaceutical suppliers to their clients (the pharmacies).

LITHUANIA

EAN LITHUANIA (joined in 1994)
V.Kudirkos str. 18
2001 Vilnius
TEL: 370 2 614532
FAX: 370 2 621403
e-mail: eanlt@tdd.lt
web site: www.lithuaniachambers.lt

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In co-operation with the Association of Lithuanian Retail Companies the marking with EAN-13 and ITF-14 symbols of trade items was implemented in production and trade fields. An EDI pilot project was set up with the co-operation of computer's companies to demonstrate the messages' transmission.

MACAU

EAN MACAU
Rua de Xangai,175, Edf.A.C.M.,
6-Andar
TEL: (853) 781313
FAX:(853) 788233
e-mail: eanmacau@cpttm.org.mo

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

MACEDONIA

EAN MACEDONIA (joined in 1994)
"Dimitric Cupovski" - 13, 91000 Skopje
TEL: 389 91 237 425
FAX: 389 91 116 210
e-mail: ean@ic.mchamber.org.mk
web site: www.mchamber.org.mk/services.htm

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EAN MACEDONIA concentrated its efforts of growing the EAN•UCC system mainly in the sector of transportation, agriculture, chemical industry and healthcare.Its membership base is still growing, essentially among SME's.

MALAYSIA

MANC - Malaysian Article Numbering Council (joined in 1988)
Wisma FMM, No. 3 Persiaran 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

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MANC made successful contacts within the healthcare industry, involving both the authorities and the suppliers and distributors. A briefing, done by EAN International, on the benefits of the EAN•UCC system in the healthcare sector was held in July 1999, to introduce the subject to users in the governmental and private sectors. The other sectors will be focussed on at a later stage. With the formation of the ECR Malaysia (ECRM) suppliers and retailers have established a closer and more co-ordinated linkage in supply chain management. The ECRM Board has also set up Working Groups to handle fundamental issues as standardisation of item coding and electronic communication. Promotion of the EAN•UCC standards and their applications in the retail and supply sectors is continuously being done through publications, briefings and visitations.

MALTA

EAN MALTA (joined in 1992)
3, 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

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EAN Malta has reached an agreement for the Governmant's dept. of Health to adopt the EAN•UCC system within its present and future facilities. A similar arrangement has been reached with the Ministry for Agriculture & Fisheries in view of its Vegetable and Meat markets. The defence sector has also been targeted. During 1999 EAN Malta has effected a multi-sectoral marketing campaign which has resulted in a considerable increase in membership. All the local major supermarket /department store chains are now actively supporting EAN Malta in its activities. EAN Malta has published a "Guide to Barcoding" manual as well as several other connected brochures. A Training Centre has been opened at the EAN Malta offices and several courses have been completed. A 13-part TV series on carrying out e-business is presently in production.

UNH+MED0001:0RDERS:D:96A:UN:EAN008'BGM+220

MAURITIUS

EAN MAURITIUS (JOINED IN 1994)
3, ROYAL STREET
PORT LOUIS
TEL: 230 208 3301
FAX: 230 208 0076
e-mail: mcci@intnet.mu
web site: www.mcci.org

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EAN MAURITIUS keeps promoting the EAN•UCC system in Mauritius. Marketing actions were launched to increase the awareness on the benefits of the EAN•UCC system.

MEXICO

AMECE - ASOCIACIÓN MEXICANA DE ESTÁNDARES PARA EL COMERCIO ELECTRÓNICO A.C. (JOINED IN 1987)
HORACIO NO. 1855 PISO 6
COL. CHAPULTEPEC MORALES
C.P. 11570, MÉXICO, D.F.
TEL: 525 395-2044
FAX: 525 395-2038
e-mail: amece@iserve.net.mx
web site: www.amece.com.mx

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AMECE is establishing a EHCR group composed of public agencies, private hospitals and laboratories. In transport they have 3 companies working together with the ECR and business modeling groups. EDI committees are operational for the government, manufacturers, automotive companies, banks, retailers and customs agencies. Further EDI accomplishments are Mexican EDI Guidelines(8 messages); migration from X12 to EANCOM® in the retail sector; release of the Electronic Product Catalogue; the first initiative to promote the legislation of Electronic Commerce in Mexico; an EDI Electronic Invoice scheme.

MOLDOVA

EAN MOLDOVA
63 M. KOGALNICEANU STR.
MD 2009, KISHINEV
TEL: 373 2 24 53 69
FAX: 373 2 24 16 69
e-mail: info@ean.md
web site: www.ean.md

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During 1999 EAN Moldova continued to work towards the expansion of the EAN•UCC system in different sectors and focussed its activities on the creation of electronic catalogues.

MOROCCO

EAN MAROC (JOINED IN 1993)
207, BD ZERKTOUNI, APPT. 30
20100 CASABLANCA
TEL: 212 2 39 19 13
FAX: 212 2 39 19 14

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EAN MAROC issued various publications and kept on promoting the EAN•UCC system, which as a result having the biggest fruit exporter in Morocco adopting the EAN•UCC system. EAN MAROC hosted the RNOMM '99 in Marrakech.

NETHERLANDS

EAN NEDERLAND (JOINED IN 1977)
TOURNIAIRE STRAAT 3
1065 KK AMSTERDAM
TEL: 31 20 511 3820
FAX: 31 20 511 3830
e-mail: info@ean.nl
web site: www.ean.nl

>

EAN Nederland is focusing on the healthcare sector. They are inventorying opportunities for the EAN•UCC system. In transport they are promoting the use of the palletlable (SSCC) and for the meat and fresh produce sector they are participating in the EAN International workgroup. The key achievement of 1999 is the INVOICE migration (EANCOM1997) service for the do-it-yourself sector.

NEW ZEALAND

EAN NEW ZEALAND INCORPORATED (JOINED IN 1981)
P.O. BOX 11-110
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 transport sector, EAN NZ is actively promoting the EAN•UCC system and developing links with universities and polytechnics providing logistics courses. EAN NZ formed a working party of the major general merchants that agreed to use the EAN standards for electronic messaging as well as a working party of the sector of the pharmaceutical industry that agreed in principal to use the EAN standards for electronic messaging. EAN NZ is working with a major retail bank in New Zealand to develop the payments, Cremail and Debmail messages that they have agreed to test and use. EAN NZ alerted New Zealand meat and fruit exporters to pending EU regulations for traceability and provided advice as necessary to facilitate compliance in advance.

NICARAGUA

EAN NICARAGUA -Y/O INSTITUTO NICARAGUENSE DE CODIFICACIÓN (JOINED IN 1998)
ROTONDA EL GUEGUENSE
300 MTS. AL SUR,
EDIFICIO CÁMARA DE INDUSTRIAS DE NICARAGUA
TEL: 505 266 8848, 505 266 9810
FAX: 505 266 1891
e-mail: inc@teran.com.ni

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Apart from initiating work in the healthcare sector, EAN Nicaragua will strongly target the retail sector as to get at least two supermarkets on the scan system. They expect to grow the user number with 150 additional members in this sector.

UNH+MEQ0001+ORDERS:D:96A:UN:EAN008'BGM+220

UNH+MEQ

UNH+MEQ0001+ORDERS:D:96A:UN:EAN008'BGM+220

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 started its operations in the course of 1999 and is succesfully growing its membership base.

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

>

In the transport sector, EAN NORWAY participated in the implementation phase of the project dealing with new labels for transport cases and pallets, including information and training program for the users of the new label. In the furniture sector, it participated in the project "IT Mobelhandleren" and in the meat sector, prepared a traceability project. EAN NORWAY updated the EKUF register in the fresh produce sector. EAN NORWAY also broke its personal record of new members. They also organized trainings and conferences, amongst others an EDI Seminar and the "EAN Dagen".

PANAMA

EAN PANAMA (JOINED IN 1998)
VÍA TRANSÍSTMICA, EDIF. EL TRIÁNGULO, SEGUNDO PISO, OFICINA 235
PANAMÁ
TEL: 507 261 4450
FAX: 507 261 4523
e-mail: eanpanama@orbi.net

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EAN Panama is focusing on textiles as the country is a very important textile export country. Products come from Asia and are exported to Latin-American countries or to the United States. Also healthcare is a vital sector, as pharmaceutical distributors, factories and hospitals need to begin a certified delivery process. The key achievement of 1999 has been the start of an education programme about logistics.

PARAGUAY

EAN PARAGUAY (JOINED IN 1994)
ANTEQUERA 611, 1ER. PISO, OFICINA 4,
ASUNCIÓN
TEL: 595 21 442.108
FAX: 595 21 442.108
e-mail: ean@uninet.com.py
web site: www.ean.com.py

>

EAN Paraguay is strongly involved with the healthcare sector. They provide codification standards for pharmaceuticals products, they organize seminars about SCM and about automatisation and EDI in public hospitals. They also succesfully targeted the meat sector working on a pilot project for lifestock animals identification with RFID. For fresh products they offered seminars with authorities of the Secretary of Agriculture and farmers.

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
web site: www.eanperu.org

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EAN Peru achieved the obligatory use of standards EAN•UCC bar codes in the healthcare sector. They organized the First International Healthcare Conference in standards technologies applied in this sector. In the textile sector a growth was established because of exigency of EAN Standards by the local retailers. The principal activities of 1999 were the ECR Initiative with about 52 leader companies working together toward common objectives as to define the best practices pilots to obtain potential savings in the integrated supply chain. Within this initiative Standard Palletisation was accepted. EAN PERU within the EAN International mission and recommendation, developed the Electronic Catalogue Tools for Data Base Alignment to facilitate trade between business partners.

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: pancsrvr@panc.org.ph, panc@ibm.net
web site: www.panc.org.ph

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PANC launched its web site and its electronic catalogue. In the defence sector, EAN•UCC bar codes are used on ammunitions. It continued its efforts in ECR and saw its number of EANCOM® users grow significantly, as well as the number of messages used.

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

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EAN Poland organised a seminar for hospital managers, presenting EAN•UCC solutions. It resulted in closer co-operation with several Polish hospitals and a project of inventory management in one hospital. Other projects are planned for the year 2000. After long and difficult discussions EAN Poland managed to sign an agreement with the Polish Ministry of Health about the obligatory use of EAN numbers for all drugs registered in Poland. In the textile industry EAN Poland developed a solution for marking products sold by measure. In the area of packaging is the Polish Technical Academies are educating its students (specializes in that area) about the use of EAN standards.

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UNH+MEQ0001+ORDERS:D:96A:UN:EAN008'BGM+220

UNH+MEQ

UNH+MEQ0001+ORDERS:D:96A:UN:EAN008'BGM+220

PORTUGAL

CODIPOR (JOINED IN 1986)
RUA PROFESSOR FERNANDO DA FONSECA, 16
1600-618-LISBOA
TEL: 351 1 752 07 40
FAX: 351 1 752 07 41
e-mail: codipor@codipor.mailpac.pt
web site: www.codipor.pt

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CODIPOR organised 25 seminars on bar coding with 373 companies attending . They also did 18 seminars on EDI/EANCOM® with 272 companies present. They also organised seminars on the EAN•UCC system for several schools. CODIPOR published a manual that includes all the EDI user profiles used by the major retailers and evaluated the use of a unique user profile for the invoic message in Portugal. They are also working on the implementation guidelines of EDI messages in the insurance sector. CODIPOR also developped their web site.

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

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EAN Romania has initiated contacts with the National Health Insurance and they also started working together with the Romanian Center for Commerce developing projects for improving logistics in transport and distribution. They are also working in close relationship with the Defence Ministery – Dpt. of Logistics on codification matters. The membership increased by 17% and the association also held 15 technical seminars together with the Chambers of Commerce and Industry.

RUSSIA

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

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Following an agreement with the Russian Health Ministry to use EAN numbers for a database of pharmaceuticals, the Ministry's Information Center has been linked to the UNISCAN/EAN RUSSIA electronic catalog via the EDI-UNISCAN system. UNISCAN/EAN RUSSIA signed an agreement with the PEPI Association (organization of transport EDI users) on joint implementation of EDI systems in the transport sector, creation of transport logistic centers and development of standards for transport EDI messages. PEPI participates in the work of EAN RUSSIA's GOST R/TC 355/SC 3 "EDI-EANCOM". In 1999, GOST R/TC 355 "Automatic Identification" signed cooperation agreements with Technical Committees 246 "Containers", 22 "Information Technologies" (resulting in the creation of a joint working group on identification cards) and 223 "Packaging" (creating a subcommittee within TC 223 headed by UNISCAN/EAN RUSSIA), and established working relations with the Postal Department of the Russian Communications Ministry.

SAUDI ARABIA

EAN SAUDI ARABIA C/O SAUDI CHAMBERS
COUNCIL - RIYADH CHAMBER OF COMMERCE &
INDUSTRY BUILDING DABAB STREET P.O. BOX
16683 RIYADH 11474
TEL: +966.1.405.32.00
FAX: +966.1.402.47.47
e-mail : eansa@saudichambers.org.sa
or coscc@zajil.net

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

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

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SANC has created strategic alliances in the book sector and in the logistics sector. To facilitate ECR they promote EAN/UCC-14 and UCC/EAN-128 for central warehousing. SANC also promotes and drives ECR Singapore and co-ordinates working groups as the Continuous Replenishment Working Group, the Category Management Working Group, the Products with Short Shelf Life Working Group and the Pallet Standards Working Group, the EDI Standards Working Group, the Data Alignment Working Group, the Barcoding Standards & Point-of-Sales Working Group and the Training & Education Working Group. The organisation is also working on a National Electronic Product Catalogue. Other projects include ShopNET this is hands-on training for small and medium-sized retailers to familiarise them with the procedures of operating EANCOM®. Construction of the National Electronic Product Catalogue. Construction and the setting up of ECR Singapore as a project under SANC. Develop ShopNET project (Simple EDI) for small retailers to conduct electronic

SLOVAKIA

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010 08 ZILINA
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FAX: 421 89 65 11 86
e-mail: inform@ean.sk
web site: www.ean.sk

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The information pack covers the usage of the EAN•UCC system in all target sectors. They help users create and understand the transport label. EAN SLOVAKIA has created a new info pack to help improve the use of the EAN•UCC system in retail, wholesales, the book industry and transport. It also covers the location numbering and EDI. Thanks to the release of a new info pack, there was a huge increase of members. Many publishers were amongst them, therefore the majority of serial publications are marked with prefix 858. Since the release of the European Standards (EN 797, EN 799), EAN SLOVAKIA translated 4 European Standards (EN 1556, ENV 12646, ENV 12647, ENV 12648) and prepared them for standardisation . They will be released during 2000. At the end of 1999 we also started with EN 1635, EN 1571, EN 1572 and EN 1573. EAN SLOVAKIA has modified the web site for prompt registration. Becoming a member takes no longer than 1 day and no personal visit is necessary. To support e-commerce, EAN SLOVAKIA ran two seminars on EDI and established two working groups on electronic catalogues. The first group (retailers and manufacturers) handles data fields and the second one software for product catalogue.

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

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The key achievements of 1999 include finishing the EDI terminology in Slovenian and the translation of the fifteen standard message guides. They also organised a seminar about Electronic Data Interchange between banks and SANA members.

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

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In the healthcare EAN South Africa liases closely with the Department of Health who adopted the EAN•UCC system many years ago. EAN South Africa is also represented on PHISC (Private Health Information Standards Committee) as well as their sub-committees for: EDI Message Design and Coding Standards. R.M. Pearcey is a director of the newly formed PESA (Pharmaceutical Electronic Standards Association) who have adopted the EAN•UCC system for all pharmaceutical products flowing through pharmacies and will be phasing out the NAPPI code within a two-year period. They are also involved in the transport sector and in the packaging sector. Other activities include the selection of product data catalogue service. The pilot has started in March 2000.

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.OR.KR
WEB SITE: WWW.EANKOREA.OR.KR

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The total number of members increased to 10,276 companies, which accounts for about 28.6% increase compared to last year. The focus of the business was on improving the awareness of ECR/SCM among Korean companies and help establish the infrastructure in terms of core technologies including EAN•UCC system. On March 24, the ECR/SCM Korea Board was officially established to integrate the efforts of user companies and to implement ECR/SCM applications. Other efforts were promotional activities amongst business groups, two international seminars, ECR/SCM publications, etc... 91 manufacturers agreed to adopt EAN/UCC-14 on the 8,000 items they manufacturer. In phase 2 of the project (2000) other ECR/SCM applications will be launched such as CRP, ASN, CAO,....

SPAIN

AECOC - ASOCIACIÓN ESPAÑOLA DE CODIFICACIÓN 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

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AECOC strongly recommends using bar coding (EAN/UCC-13 & UCC/EAN-128) in the healthcare sector. They also promoted activities in white & brown products, home electronics, automotive spare parts, textile & shoes, sports, furniture, furnishing and catering. The associations major achievements include the celebration in Bilbao of the 14th AECOC's Annual Congress with the attendance of more than 900 top managers of the most important companies; the happening of TECNOGESTIÓN '99, the technological meetings of AECOC, with the participation of more than 250 professionals; the 1st Fruits and greengrocers Seminar in Valencia with attendance of more than 100 professionals.

SRI LANKA

EAN SRI LANKA (JOINED IN 1995)
C/O THE CEYLON CHAMBER OF COMMERCE
NO.50, NAVAM MAWATHA
COLOMBO 2
TEL: 94 1 421 745-7
FAX: 94 1 449 352
e-mail: chamber2@sri.lanka.lk

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EAN SRI LANKA continued increasing its membership base and promoting the EAN•UCC system in Sri Lanka.

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

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EAN Sverige is working together with the Trade Association for the healthcare industries. The usage of EANCOM® in healthcare is strongly supported by the usage of EANCOM® in the Public Sector E-Commerce Initiative in Sweden. In transport they are working together with EDIFACT Transport (recently changed into "E-com Logistics. They are jointly supporting the usage of a standard transport label (based on EAN standards) and the usage of SSCC. In packaging, they are involved in a new system of plastic crates and pallets identification, tracking and tracing by means of UCC/EAN 128 and RFID. For textiles there is a new project run by small and medium sized retail and trading partners. EAN Sverige participates by defining solutions for identification, logistics and business processes. Tracing of meat and fresh produce are also of great interest. The key achievements of the association include the introduction of a verification service for all ESAP User Profiles of EANCOM® in Sweden and the introduction of GEPIR.

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001+ORDERS:D:96A:UN:E
001+ORDERS:D:96A:UN:EAN008'BGM+220
UNH+MEO0001+ORDERS:D:96A:UN:EAN008'BGM+220

SWITZERLAND & LIECHTENSTEIN

EAN SCHWEIZ, SUISSE, SVIZZERA (JOINED IN 1977)
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4053 BASEL
TEL: 41 61 338 70 00
FAX: 41 61 338 70 99
e-mail: mail@ean.ch
web site: www.ean.ch

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EAN SWITZERLAND set up EDI-pilots in the medical device and construction sector. It successfully closed the VAT pilot on paperless invoicing and introduced the Web access to the Swiss EAN database. It is currently setting up the GEPIR project and in the transport sector, EAN SWITZERLAND is chairing the TRANS-CORE project team.

SYRIA

EAN SYRIA (JOINED IN 1998)
C/O SYRIAN COMPUTER INSTITUTE
76, LAZARISTES BUILDING
BAB TOUMA, DAMASCUS
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FAX: 963 11 5427 909
e-mail: ean-syria@net.sy

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In close cooperation with the Ministry of Health and the Syrian Pharmacists union, EAN SYRIA held four seminars about the pharmaceutical industry. For this purpose, they elaborated and received the approbation of the Minister of Health for a software program for managing and generating the EAN•UCC bar coding system for all pharmaceutical and drug industries in Syria. The application of this project will prepare and facilitate the future use of EDI by pharmacists. EAN SYRIA is about to launch its web site to give more support to their members and it developed a bilingual software in English and Arabic for the administration of NO's. EAN SYRIA also supervised a software for stock control in order to include the EAN•UCC system as a solution for automatic data capture.

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@eantaiwan.org.tw
web site: www.eantaiwan.org.tw

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CAN 's target sectors are healthcare , OTC, and transport. They promote the implementation of EAN/UCC-14 in FMCG and established and maintain a CAN electronic catalogue.

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001+ORDERS:D:96A:UN:EAN008'BGM+220

UNH+ME00001+ORDERS:D:96A:UN:EAN008'BGM+220
001+ORDERS:D:96A:UN:E

UNH+ME00001+ORDERS:D:96A:UN:EAN008
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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 initiated a project in the healthcare sector and is also currently running a project on the use of UCC/EAN-128 in the supply chain. It encourages SME's to adopt the 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
web site: www.tunicode.com.tn

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In the healthcare sector, TUNICODE does not spare any efforts to promote the use of the EAN•UCC system on pharmaceutical products. Many pharmaceutical manufacturers are already members of Tunicode. Future efforts will be directed towards making hospital supply chains more efficient. In the transport sector, TUNICODE continued its efforts to promote the EAN•UCC system in all the logistics operations.

TURKEY

UCCET - UNION OF CHAMBERS OF COMMERCE, INDUSTRY, MARITIME COMMERCE & COMMODITY EXCHANGES OF TURKEY (JOINED IN 1988)
ATATÜRK BULVARY No:149
BAKANLYKLAR, ANKARA
TEL: 90 312 4252243
FAX: 90 312 4179501
e-mail: ean.info@tobb.org.tr
web site: www.tobb.org.tr

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UCCET focused on the use of the UCC/EAN-128 symbology in food, transport and textiles. They started providing training programmes to members and potential users in order to expand the EAN•UCC system to all sectors. UCCET published educational books and brochures for members, provided technical assistance to film master supplier and assigned variable length company prefix.

UKRAINE

EAN UKRAINE - ARTICLE NUMBERING ASSOCIATION OF UKRAINE (JOINED IN 1994)
ARTEMA STREET 26
KYIV, 04053
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/

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In the healthcare sector, the EAN•UCC system has been adopted as the national system for the coding of pharmaceutical products. In the transport

sector, EAN UKRAINE actively promoted the EAN•UCC standards towards the national transport industry, with several seminars in different regions of Ukraine. EAN UKRAINE took part in the national exhibition "Transport and Logistics ' 99". At the seminar on the new logistic technologies organized during the exhibition, the paper "Implementation of the Standard EAN•UCC Logistic Label" has been presented and included into the exhibition's bulletin. EAN UKRAINE started the cooperation with the Customs aiming to implement the EAN•UCC standards for transit freight traffic control. In the textile sector, a seminar was held on the application of the EAN•UCC standards in the textile and apparel industry. The development of sectorial recommendations are in progress. The number of scanning retailers in the country has increased. EAN-UKRAINE actively participated in the working group developing the draft of national Electronic Commerce Law. The construction of the National Electronic Product Catalogue is in progress.

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 (0)20 7655 9000,
HELPDESK: 44 (0)20 7655 9001
FAX: 44 (0)20 7681 2290
e-mail: info@e-centre.org.uk
Web Site: www.e-centre.org.uk

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In conjunction with EAN International, e centreUK exhibited in December at Intermodal, a leading transport trade show. e centreUK has an active transport group of members specialising in transport EDI, the LOTUS group. In Defence NATO military experts pledged to introduce commercial standards into transportation throughout NATO. It is expected that EAN•UCC standards will be included in new military transport standards when they are promulgated in the near future. For the meat sector a joint Western European NO's/AIM Europe initiative led by e centreUK and AIM UK was held to secure EU funding to promote the use of UCC/EAN-128 to the meat trade across the EU. Other significant issues were the improved member services achieved by implementing the first phase of a new office computer system; the number of users (net membership after deduction of cancelled memberships) continued to rise; a major feature of the year was concerted direct lobbying and interaction with Government over the proposed Electronic Communication.

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

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The introduction of compulsory beef labelling in the EU has an impact on Uruguay's meat export industry. EAN Uruguay has distributed the "Traceability of Beef Guidelines and they are working together with the country's institutions in complying with the regulations by means of EAN•UCC standards. In the financial sector EAN Uruguay worked with the Ministry of Economy . They use EANCOM® messages with their suppliers. 1999 also meant the consolidation of the use of EDI by one of the biggest supermarket chains, the creation of the ECR Uruguay Committee (members are retailing companies) and the dramatic increase (800%) in the coding of despatch units.

UZBEKISTAN

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

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EAN UZBEKISTAN started its operations in the course of 1999 and they are succesfully growing their membership base.

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.eanve.com

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EAN VENEZUELA held two successful seminars in the healthcare sector. In the healthcare and textile sectors it is promoting the use of the UCC/EAN-128 standards. In collaboration with a chain of pharmacies, EAN VENEZUELA promoted the use of EANCOM® messages among its suppliers. ECR was a big challenge, the pilot project will be in April 2000.

VIETNAM

EAN VIETNAM - VIETNAM ARTICLE NUMBERING AND BARCODING ORGANIZATION (JOINED IN 1995)
176 TRIEV VIET VUONG STREET
HAI BA TRUNG DISTRICT, HANOI
TEL: 84 4 978 2474
FAX: 84 4 978 2473
e-mail: eanvietnam@fmail.vnn.vn

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EAN VIETNAM set up a working group in the healthcare sector. It continued promoting the EAN•UCC system and increased its membership base significantly. It submitted the EAN•UCC Application Identifier Standard for approval as the Vietnam National Standard. EAN VIETNAM also organised workshops on EDI/EANCOM®.

YUGOSLAVIA

EAN YU - YUGOSLAV NUMBERING ASSOCIATION (JOINED IN 1982)
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11000 BEOGRAD
TEL: 381 11 3248 392
FAX: 381 11 3248 754
e-mail: yana@EUnet.yu
Web Site: www.ean.org.yu

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EAN YU took an active part in the science sessions of the Yugoslav association for information technologies, telecommunications and automation. EAN YU has concentrated on the expansion of the EAN•UCC system by promoting the EAN•UCC standards in various sectors such as healthcare and packaging. The organisation continued co-operation with leading retailers which resulted in important growth of members from paper, food, chemical and beverage industry. The association had a record growth in new member companies.

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
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>

Throughout 1999, the Uniform Code Council worked on developing and promoting global standards, strategies and solutions that would produce benefits and efficiencies for the worldwide user community. Currently, the UCC provides support to approximately 240,000 member companies in twenty-three different industries to help them conduct business efficiently with any company, in any industry, anywhere in the world. The UCC and EAN's close partnership and cooperation has produced strong global leadership and vision that delivers value to companies large and small, all around the world.

In 1999, the UCC continued to promote the development of Reduced Space Symbology (RSS) and composite symbology to bring the benefits of the EAN•UCC system to space-constrained items. In order to leverage the potential of Radio Frequency Identification (RFID), the UCC and EAN International are working together with users, manufacturers and regulatory bodies to develop global standards for a UHF frequency range. The UCC announced an Electronic Commerce strategy in 1999 that will utilize Extensible Markup Language (XML) as a key component of its development efforts. UCCnet, the UCC's new electronic trading community subsidiary, continues its further development. Providing a universal foundation for electronic commerce, UCCnet will allow trading partners to have synchronized UCC and EAN item information, as well as access to compliant business applications and services.

TOTAL MEMBERSHIP IN 1999: 233,800

NEW MEMBERS ADDED IN 1999: 18,006

001+ORDERS:D:96A:UN:E

001+ORDERS:D:96A:UN:EAN008'BGM+220

001+ORDERS:D:96A:UN:EAN008'BGM+220

UNH+ME00001+ORDERS:D:96A:UN:EAN008'BGM+220+128576'DTM+137:19930830:102'FTX

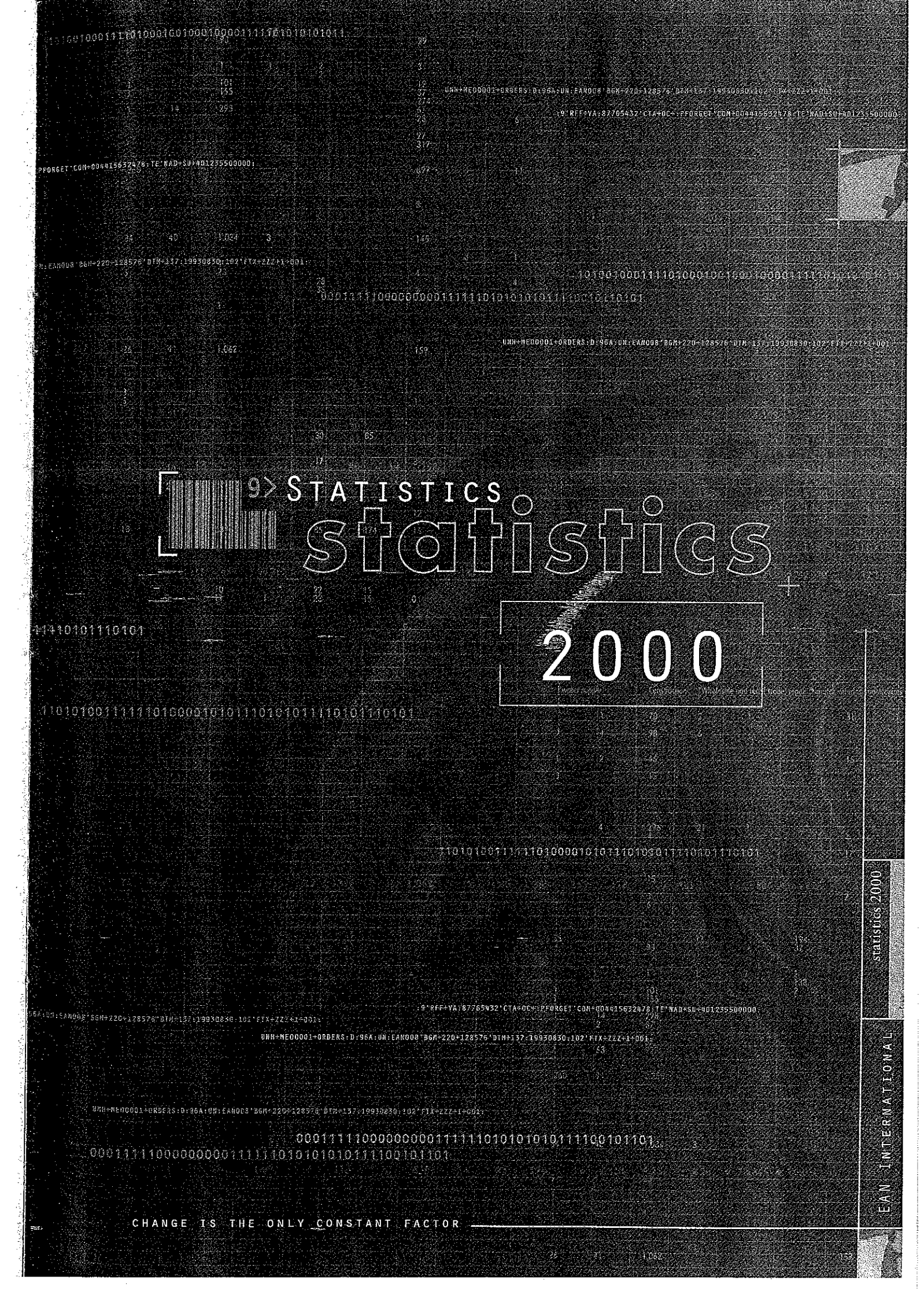
UNH+ME00001+ORDERS:D:96A:UN:EAN008

UNH+ME00001+ORDERS:D:96A:UN:EAN008'BGM+220
+128576'DTM+137:19930830:102'FTX

UNH+ME00001+ORDERS:D:96A:UN:EAN008'BGM+220+128576'DTM+137:19930830:102'FTX

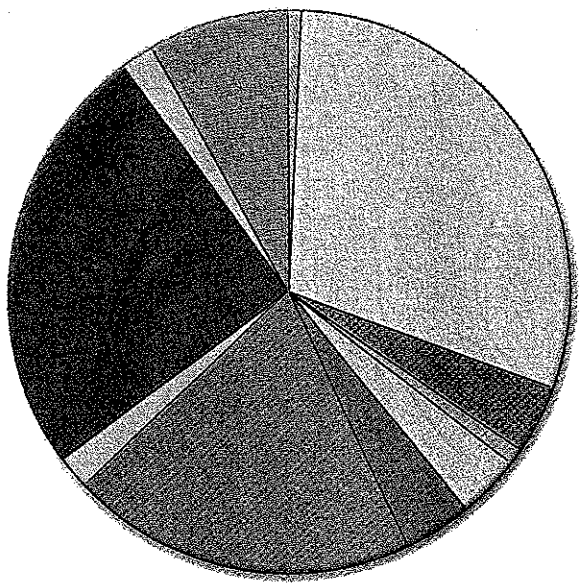
UNH+ME00001+ORDERS:D:96A:UN:EAN008'BGM+220+128576'DTM+137:19930830:102'FTX

CHANGE IS THE ONLY CONSTANT FACTOR


9> STATISTICS
statistics
2000
statistics 2000
EAN INTERNATIONAL
CHANGE IS THE ONLY CONSTANT FACTOR

:9'RFF+CT:652744'DTM+171:19930825:102'NAD+BY+5412345000010:

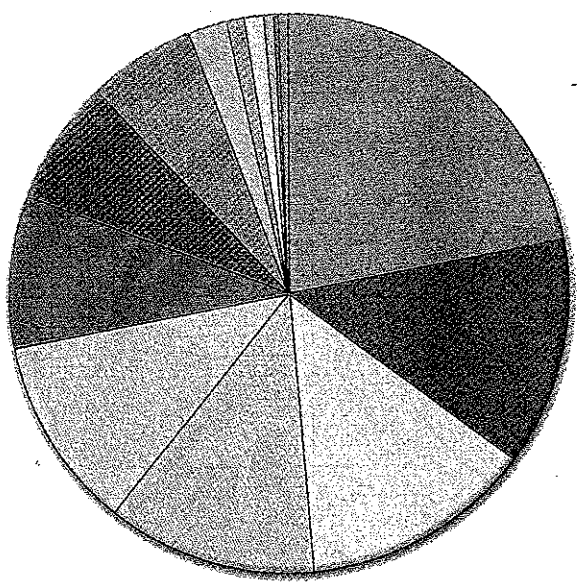
> EAN MEMBER COMPANIES COME FROM A WIDE VARIETY OF INDUSTRIES



:9'RFF+CT:652744'DTM+171:19930825:102'NAD+BY+5412345000010:

- 1% AGRICULTURE
- 30% MANUF. FOOD, BEVERAGES
- 4% MANUF. TEXTILES, APPAREL
- 1% MANUF. PAPER, PAPER PROD.
- 4% MANUF. CHEMICALS, PLASTICS
- 4% MANUF. FURNITURE
- 20% MANUF. OTHER E.G. HEALTHCARE, TRANSPORT
- 2% PUBLISHING, MEDIA
- 25% WHOLESALE, RETAIL
- 2% MANUF. COMPUTER
- 8% OTHER E.G. DEFENCE, PUBLIC PROCUREMENT

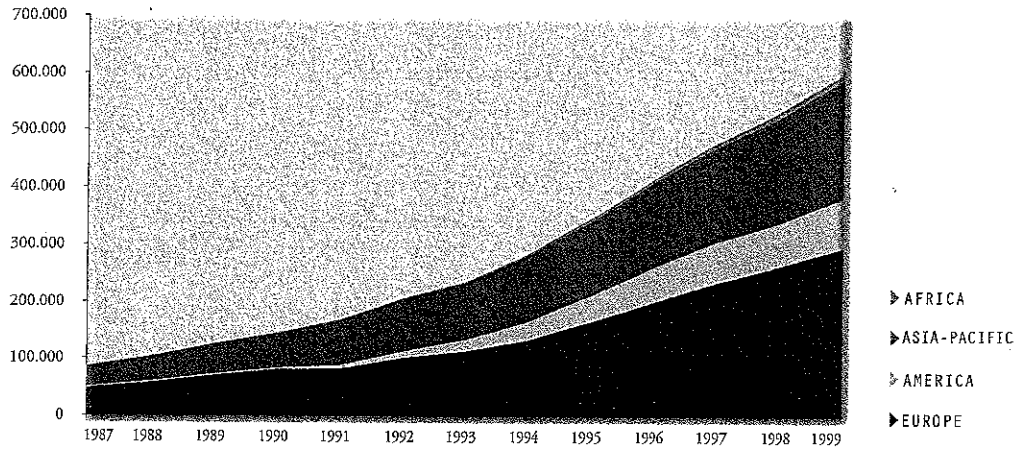
> EAN SECTORS IN THE EAN COMMUNITY



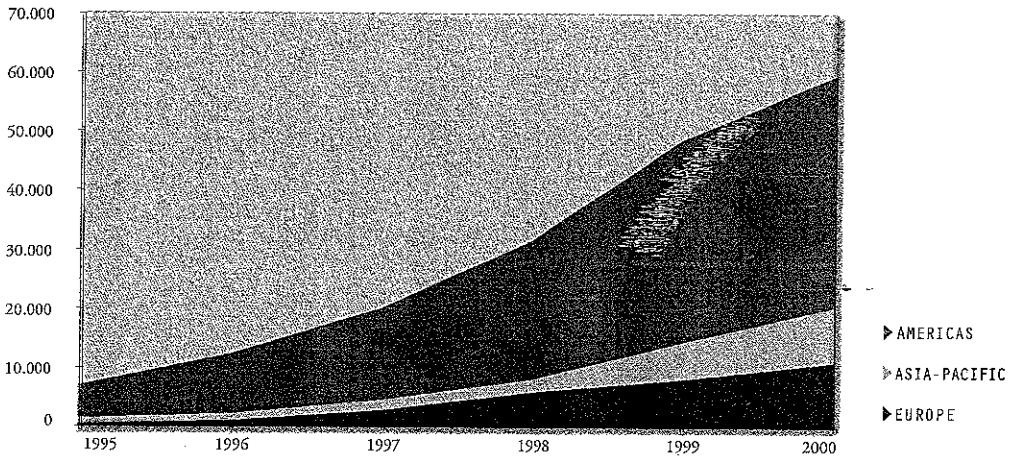
- 22% RETAIL / DISTRIBUTION
- 13% CUSTOMS
- 13% FINANCE
- 12% TRANSPORT
- 11% HEALTHCARE / PHARMACEUTICALS
- 9% TEXTILE / APPAREL
- 7% ELECTRONICS AND COMPUTERS
- 6% PUBLIC SECTOR
- 4% OTHER
- 1% AUTOMOTIVE
- 1% CONSTRUCTION
- 1% INSURANCE
- 0,4% RETAIL / DO-IT-YOURSELF
- 0,4% MINING

:9'RFF+CT:652790'DTM-171:19930825:102'NAD+BY+5412345000010:

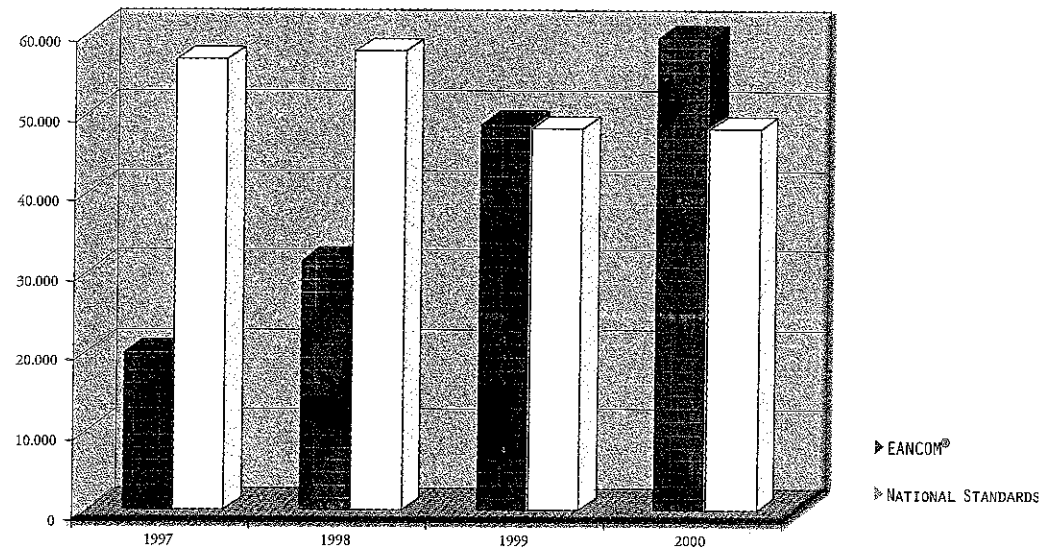
EAN MEMBERSHIP



EANCOM® USERS

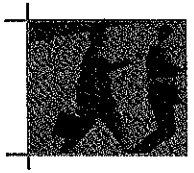


EDI USERS IN THE EAN COMMUNITY



UNH+MED0001+ORDERS:D:96A:UN:EAN008

> MEMBER COMPANIES & SECTORS OF APPLICATION



COUNTRIES/ECONOMIC REGIONS	AGRICULTURE, HUNTING AND FORESTRY	FISHING	MINING AND QUARRYING	MANUFACTURING	ELECTRICITY, GAS, STEAM AND HOT WATER SUPPLY	CONSTRUCTION	"WHOLESALE AND RETAIL TRADE; REPAIR OF MOTOR VEHICLES, MOTORCYCLES AND PERSONAL AND HOUSEHOLD GOODS"	HOTELS AND RESTAURANTS	TRANSPORT, STORAGE AND COMMUNICATIONS	FINANCIAL INTERMEDIATION	REAL ESTATE, RENTING AND BUSINESS ACTIVITIES	"PUBLIC ADMINISTRATION AND DEFENCE; COMPULSORY SOCIAL SECURITY"	EDUCATION	HEALTH AND SOCIAL WORK	OTHER COMMUNITY, SOCIAL AND PERSONAL SERVICE ACTIVITIES	PRIVATE HOUSEHOLDS WITH EMPLOYED PERSONS	EXTRA-TERRITORIALS ORGANIZATIONS AND BODIES	OTHERS	TOTAL 1999	TOTAL 1998	% TNC.	TOTAL 1997	NRS ALLOCATED
ARMENIA	14	2		60			19													95	72	31,94%	31	95
AUSTRIA	227	1	15	2.383	1	26	1.515	4	13		80	4	5	106	57	1	2	1		4.441	4.239	4,77%	3.008	6.820
AZERBAIJAN																		23		23	0	Not Ap.	0	23
BELARUS			1	238			7													246	141	74,47%	0	246
BELGIUM	78			2.035			1.486	14	34		94	6		5				93		3.845	3.625	6,07%	3.369	4.052
BOSNIA-HERZEGOVINA																		315		315	214	47,20%	132	315
BULGARIA	3			809			35													847	561	50,98%	435	847
CROATIA			95	613		13	483	17	14	1	41				14			548		1.839	1.697	8,37%	1.517	2.404
CYPRUS				657			242											1		900	773	16,43%	794	900
CZECH REPUBLIC	44	17		4.674			263		45		73						2			5.118	4.670	9,59%	3.589	4.976
DENMARK																		4.939		4.939	4.631	6,65%	4.418	4.939
ESTONIA	23		2	437			72		3		1							4		542	451	20,18%	363	542
FINLAND																		4.241		4.241	4.030	5,24%	3.707	4.241
FRANCE	750			30.723			758		25											32.256	23.622	36,55%	23.414	28.221
GEORGIA				183																183	149	22,82%	86	183
GERMANY	628		133	21.157	23		79.681	3	917	4	521			2.920						105.987	100.692	5,26%	87.381	36.128
GREECE	54	1	8	1.859			468	9	4		10		1	444				4		2.862	2.577	11,06%	2.230	3.099
HUNGARY	5	17		2.378			58		5	10			5							2.478	2.322	6,72%	2.312	3.010
ICELAND	16	12	1	358		2	170		4		5	1		12	17					598	614	-2,61%	558	484
IRELAND																		2.007		2.007	1.912	4,97%	1.764	2.007
ISRAEL																		3469		3469	3056	13,51	2806	6093
ITALY	244			23.969		101	49				23									24.386	22.100	10,34%	20.601	24.257
KAZAKHSTAN				263							1									264	212	24,53%	126	264
LATVIA																		691		691	472	46,40%	286	691
LITHUANIA	29		2	1.153			48	22	3		6				2			22		1.287	880	46,25%	492	1.269
MACEDONIA																		303		303	298	1,68%	218	303
MALTA				195			19		1		2		2							219	141	55,32%	130	213
MOLDOVA				348																348	308	12,99%	234	348
NETHERLANDS	90	7	6	1.509		13	2.354	15	64	15	282	16	1	372	86					4.830	4.618	4,59%	4.276	4.820
NORWAY	31	5	4	1.270	2	11	1.179	31	7		100			39	31			1		2.711	2.540	6,73%	3.734	2.711
POLAND			34	12.250										580	30			85		12.979	10.459	24,09%	9.208	12.222
PORTUGAL																		3.844		3.844	3.600	6,78%	3.307	3.844
ROMANIA				378			41				4				3					418	357	17,09%	245	408
RUSSIAN FEDERATION	88			4760					2				3			1				4854	4198	15,63	2564	4854
SLOVAKIA	75	2	2	1.469		25	687	47	25	2	89			2	16					2.441	1.985	22,97%	1.804	2.179
SLOVENIA	90	2	1	2.177		33	945	32	34		159		6	24	37			55		3.595	2.999	19,87%	2.590	3.461
SPAIN				12.667			458							1.560						14.685	13.745	6,84%	12.472	14.685
SWEDEN	180	5	13	2.714	20	31	2.413	53	50	17	300	150	9	15	80			235		6.285	5.193	21,03%	4.516	5.665
SWITZERLAND	53	1	6	1.789	7	14	593	1	9	2	103	2		5	25		10			2.620	2.486	5,39%	2.003	2.913
TURKEY				7.780																7.780	6.569	18,44%	4.970	7.780
UKRAINE	71		4	2.144	2	14	246	6	5		37	2		7	27					2.565	1.809	41,79%	1.168	2.478
UNITED KINGDOM	657	13	13	9.088	57	122	6.272	192	202	32	784	16	4	77	311	1				17.841	15.025	18,74%	13.676	32.520
UZBEKISTAN																				5	5	0,00%	0	5
YUGOSLAVIA	3		7	1.364			66				1		1	1	1					1.444	1.206	19,73%	1.366	1.444
TOTAL EUROPE	3.453	85	347	155.851	112	405	100.627	446	1.466	83	2.716	197	37	6.169	737	3	14	20.881	293.626	261.253	12,39%	231.900	238.959

UNH+MED0001+ORDERS:D:96A:UN:EAN008

AUSTRALIA	435	110	24	6.161	3	43	3.694	4	72	6	135	35	21	60		41		282	11.126	10.501	5,95%	9.584	20.285
CHINA																		38.840	38.840	38.317	1,36%	32.218	38.840
HONG KONG	6	1		1.335			1.087	5	11	1	8		1	1	9		2		2.467	2.249	9,69%	2.068	2.205
INDIA				457										144					601	436	37,84%	200	390
INDONESIA				926	11		233											65	1.235	870	41,95%	670	1.142
IRAN				2.420															2.420	1.897	27,57%	1.367	2.420
JAPAN	1.914	230		72.883	76		37.779		346	46	1.289	3			174			241	114.981	99.666	15,37%	93.100	114.981
JORDAN	4		2	252		1	27	1							4			23	314	192	63,54%	53	314
LEBANON		2		332			70						8			4	1		417	300	39%	235	417
MACAU																		60	60		Not Ap.		60
MALAYSIA	1			1.596			644		2		5								2.248	1.873	20,02%	1.598	2.248
NEW ZEALAND	424			2.689		47	282		19		28			18	7				3.514	3.323	5,75%	4.250	3.514
NORTH KOREA																		4	4	0	Not Ap.	0	4
PHILIPPINES	5	3		1.504			1.007	2	3		60		191						2.776	2.108	31,69%	1.703	2.834
SAUDI ARABIA																		152	152	0	Not Ap.	0	152
SINGAPORE		6		869			453		3					39		4			1.378	1.338	2,99%	1.291	1.378
SOUTH KOREA				10.276															10.276	7.992	28,58%	6.078	10.276
SRI LANKA	42			36			18		3		5							2	106	80	32,50%	67	100
SYRIA	2			51			1												54	12	350,00%	0	54
TAIWAN				6.856			2.009											192	9.057	8.229	10,06%	7.392	9.057
THAILAND														560				2.826	3.386	2.934	15,41%	2.523	3.386
VIETNAM	8	6		650			59					3							726	489	48,47%	328	710
TOTAL ASIA PACIFIC	2.841	358	26	109.293	90	91	47.363	12	459	53	1.530	41	221	822	194	49	3	42.687	206.138	182.806	12,76%	164.725	214.767
ARGENTINA	360	3	67	8.450	5		534		2		3								9.424	8.929	5,54%	11.080	9.424
BOLIVIA	2			160			2												164	125	31,20%	110	164
BRAZIL	365	13	365	29.859	2	343	2.501	31	19	7	198		4	13	660		26		34.406	28.581	20,38%	26.176	47.202
CHILE	400	64	21	3.946	6	11	6	39	55	24		63	16						4.651	4.469	4,07%	3.967	4.651
COLOMBIA		224	89	5.613	7	12	417	6	41	19	83	18	24	19	35	9		927	7.543	7.154	5,44%	6.679	3.249
COSTA RICA	3		1	993	6	5	326				1				3				1.338	887	50,85%	517	1.113
CUBA	1			163															164	145	13,10%	120	162
DOMENICAN REPUBLIC	70		3	823			153	1	2		9								1.061	693	53,10%	409	1.070
ECUADOR			38	2.256			14				3							37	2.348	2.120	10,75%	1.858	2.399
EL SALVADOR	40			737		1	97												875	904	-3,21%	749	875
GUATEMALA	47	7	1	803		2	129		4				1	1					995	927	7,34%	869	755
HONDURAS	126	4	3	367		2	68	2			15		21		4				612	492	24,39%	421	612
MEXICO				11.841			162			13						4.402			16.418	14.665	11,95%	12.826	13.528
NICARAGUA				152															152	68	123,53%	47	41
PANAMA				643			6				3								652	220	196,36%	434	338
PARAGUAY	2			536			9		3	2									552	448	23,21%	368	552
PERU				1.969			19		2		26		7		20				2.043	1.742	17,28%	1.468	2.043
URUGUAY				881			9											1	891	752	18,48%	703	873
VENEZUELA			16	1.749			29			10	11				1			1	1.817	1.524	19,23%	1.250	1.817
TOTAL AMERICAS	1.416	315	604	71.941	26	376	4.481	79	128	75	352	81	73	33	723	4.411	26	966	86.106	74.845	15,05%	70.051	90.868
ALGERIA				230			2				1	1						27	261	155	68,39%	87	230
EGYPT	21			49			8						2						80	71	12,68%	50	80
KENYA																		228	228	0	Not ap.		228
MAURITIUS	5	3		201			31											13	253	198	27,78%	153	253
MOROCCO	1			224			4												229	212	8,02%	173	221
SOUTH AFRICA				7.738			78								43			41	7.900	7.813	1,11%	6.573	7.900
TUNISIA	25	20		1.184	27						12		22	15					1.305	1.160	12,50%	958	1.305
TOTAL AFRICA	52	23	0	9.626	27	0	123	0	0	0	13	1	24	15	43	0	0	309	10.256	9.609	6,73%	7.994	10.217
TOTAL EAN	7.762	781	977	346.711	255	872	152.594	537	2.053	211	4.611	320	355	7.039	1.697	4.463	43	64.843	596.126	528.513	12,79%	474.670	554.811
U.S. & CANADA																			233.800	215.923	8,28%	189.000	
TOTAL EAN-UCC																			829.926	744.436	11,48%	663.670	

Direct Numbers and Location Numbers have not been included.

> NUMBERING ORGANISATION

▶ NATIONAL STANDARD

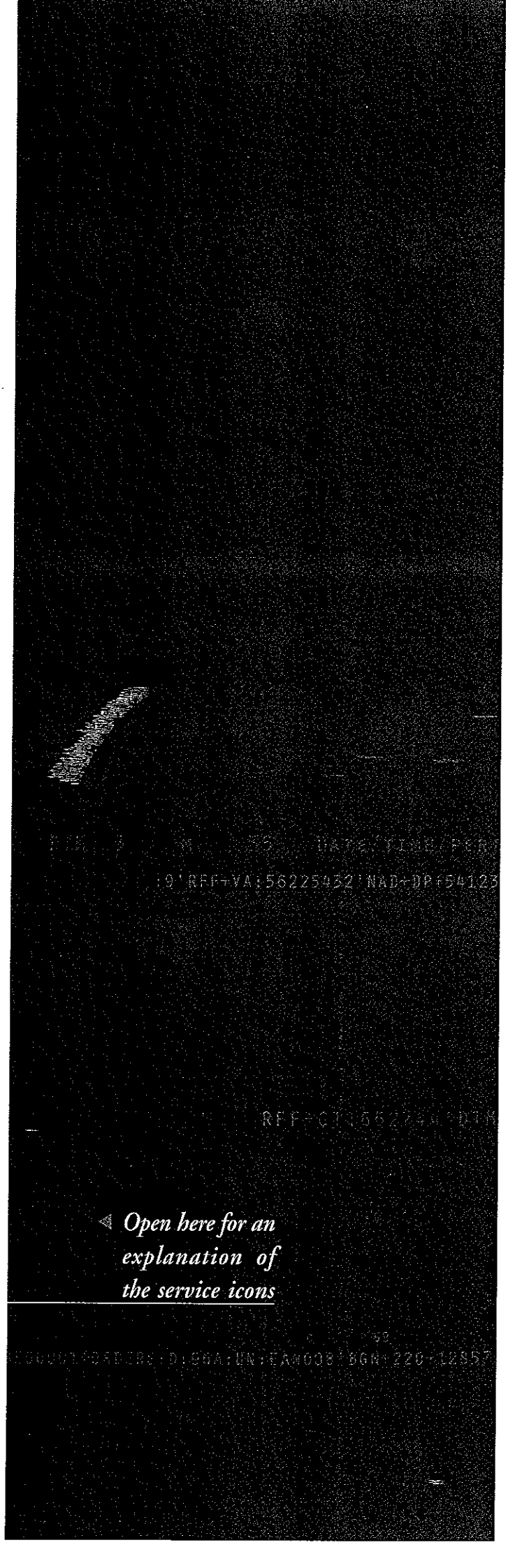
	Name of the project	1997	1998	1999	Growth 1999	Estimate 2000
ARGENTINA - CODIGO						
AUSTRALIA - EAN AUSTRALIA	ANSI X.12 / EDIFACT	7000	7000		-100%	
AUSTRIA - EAN AUSTRIA	SEDAS / ECODEX	2200	2200	2200	0%	1800
BELGIUM/ LUXEMBOURG - ICODIF - EAN BELGIUM-LUXEMBOURG*	ICOM	40		8	-68%	
BRAZIL - EAN BRASIL						
CHILE - EAN CHILE	IPPOMO			12		80
CHINA - ANCC	EDIFACT		10	30	200%	
COLOMBIA - IAC						
COSTA RICA - EAN COSTA RICA						
CZECH REPUBLIC - EAN CZECH REPUBLIC						
DENMARK - EAN DANMARK						
EL SALVADOR - EAN EL SALVADOR	CUSTOMS EDI / EDIFACT-		18	51	183%	150
	COMMERCIAL EDI	12	18	16	-11%	50
FINLAND - EAN FINLAND	EDIFACT	1245	1300	1400	8%	1500
FRANCE - GENCOD	GENCOD	4000	3000		-100%	
GERMANY - CCG	SEDAS	500	530	500	-6%	500
	SINFOS	360	480	505	5%	600
	MADAKOM	310	310	320	3%	340
GREECE - EAN HELLAS -HELLCAN S.A.						
GUATEMALA - EAN GUATEMALA	CUSTOMS			2		10
HONG KONG (CHINA) - HKANA						
HUNGARY - HPMA						
ICELAND - EAN ICELAND						
INDONESIA - EAN INDONESIA						
IRELAND - EAN IRELAND						
ISRAEL - EAN ISRAEL						
ITALY - INDICOD	EDICOM	400	420	440	5%	0
JAPAN - DCC	JCA	9000	10000	10000	0%	10000
	DATA FORMAT FOR EACH SECTOR	9000	10000	10000	0%	10000
LATVIA - EAN LATVIA						
MACAU - EAN MACAU	UNEDIFACT			29		100
MEXICO - AMECE	ANSI X.12	3000	3000	4500	50%	4500
NETHERLANDS - EAN NEDERLAND						
NEW ZEALAND - EAN NEW ZEALAND						
NORWAY - EAN NORGE			2115	2115	0%	2115
	STANDARD RECORD	2115	400	400	0%	400
PERU - APC	RIGAL	400				
PHILIPPINES -PANC						
POLAND - EAN POLAND						
PORTUGAL - CODIPOR						
ROMANIA - EAN ROMANIA						
RUSSIA - UNISCAN / EAN RUSSIA						
SINGAPORE - SANC		500	850	1000	18%	1100
	EDIMAN		10	20	100%	25
SLOVAKIA - EAN SLOVAKIA	EDITRANS					
SLOVENIA - SANA						
SOUTH AFRICA - SAANA		300	300	300	0%	450
SOUTH KOREA - EAN KOREA	SAANA EDI STANDARDS					
SPAIN - AECOC		950	242		-100%	
SWEDEN - EAN SVERIGE	AECOM					
SWITZERLAND - EAN SCHWEIZ						
TAIWAN - CAN						
THAILAND - TANC						
UNITED KINGDOM - ANA	TRADACOMS	14750	14800	14820	0,1%	15000
	UK - EDIFACT	600	700	750	7%	800
URUGUAY - EAN URUGUAY						
VENEZUELA - EAN VENEZUELA	IPPOMO	2	4	0	-100%	
▶ TOTAL NUMBER OF USERS		56684	57732	48018	-17%	48020

▶ EANCOM®

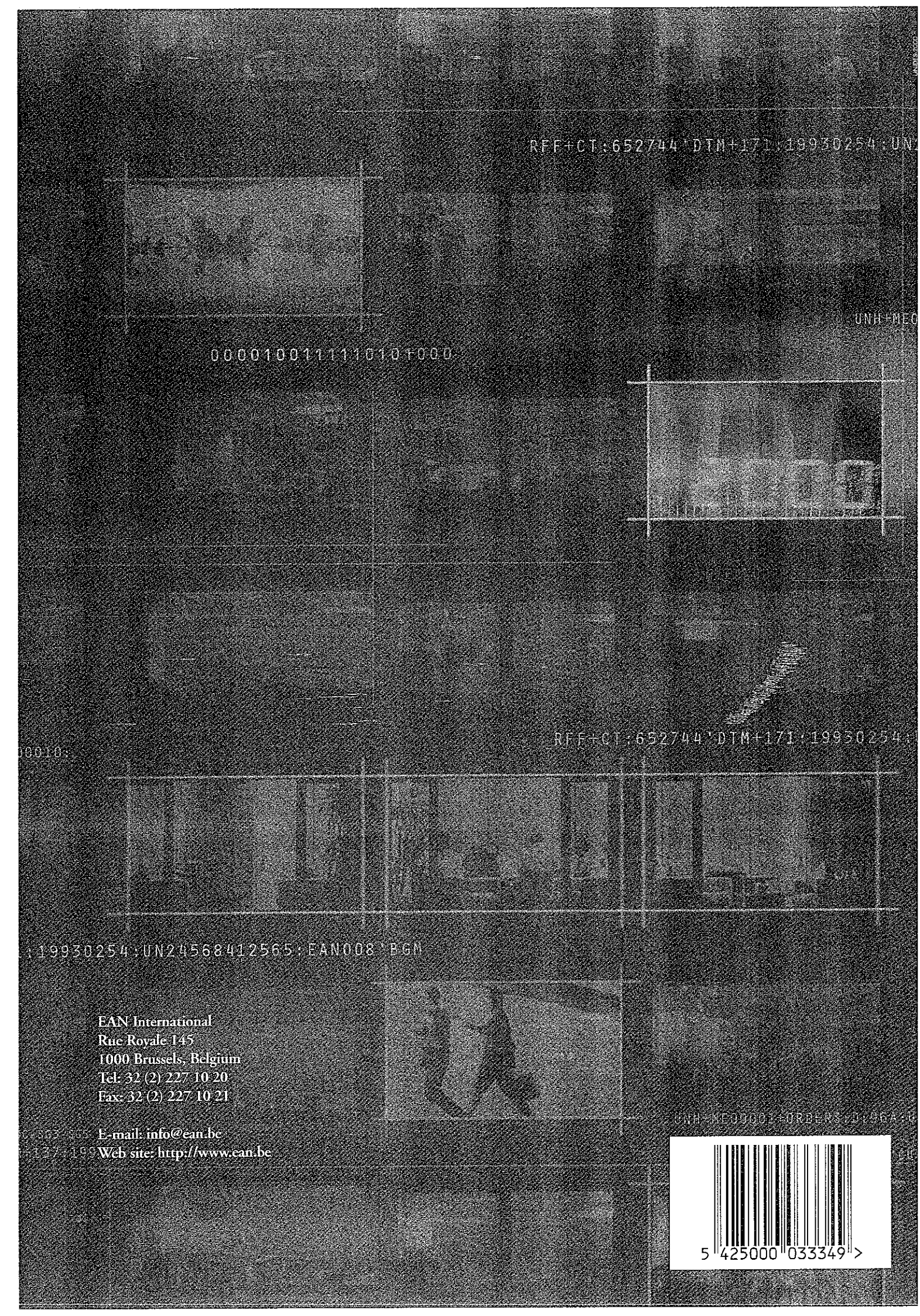
	Name of the project	1997	1998	1999	Growth 1999	Estimate 2000
ARGENTINA - CODIGO	EANCOM® ARGENTINA	75	75	82	9%	400
AUSTRALIA - EAN AUSTRALIA	EANCOM®		10	250	96%	710
AUSTRIA - EAN AUSTRIA	EANCOM®	950	1600	1700	6%	1800
BELGIUM/ LUXEMBOURG - ICODIF - EAN BELGIUM-LUXEMBOURG*	EANCOM®	552	675	514	-31%	514
BRAZIL - EAN BRASIL						
CHILE - EAN CHILE	EANCOM®	2050	5000	6000	17%	7000
CHINA - ANCC	EANCOM®	200	200	241	17%	565
COLOMBIA - IAC	EANCOM®			10	100%	10
COSTA RICA - EAN COSTA RICA	EDIFACT / EANCOM®	300	535	850	37%	1000
CZECH REPUBLIC - EAN CZECH REPUBLIC	UN/EDIFACT	17	24	24	0%	40
DENMARK - EAN DANMARK	EANCOM®	19	50	68	26%	98
EL SALVADOR - EAN EL SALVADOR	EANCOM®/HANCOM®	700	900	1100	18%	1250
	FINANCIAL EDI		6	6	0%	10
FINLAND - EAN FINLAND						
FRANCE - GENCOD	EANCOM®	4000	5800	8100	28%	9000
GERMANY - CCG	EANCOM®	1300	2800	3300	15%	4500
GREECE - EAN HELLAS -HELLCAN S.A.						
GUATEMALA - EAN GUATEMALA	EANCOM®	195	250	250	0%	300
HONG KONG (CHINA) - HKANA	COMMERCIAL EDI	2	5	5	0%	15
HUNGARY - HPMA	EZ*TRADE	300	400	430	7%	760
ICELAND - EAN ICELAND	ECR	21	30	104	71%	200
INDONESIA - EAN INDONESIA	EANCOM®	200	250	300	17%	315
IRELAND - EAN IRELAND	EANCOM®			30		2000
ISRAEL - EAN ISRAEL	EANCOM®	270	296	320	8%	400
ITALY - INDICOD	ICACOM		20	35	43%	70
JAPAN - DCC	EANCOM®	50	80	100	20%	440
	EANCOM®/JEDICOS	60	60	100	40%	150
LATVIA - EAN LATVIA	EANCOM®		12	30	60%	30
MACAU - EAN MACAU						
MEXICO - AMECE	EANCOM®/EDIFACT MIGRATION			615		1525
NETHERLANDS - EAN NEDERLAND	EANCOM®	1800	1917	1995	4%	2075
NEW ZEALAND - EAN NEW ZEALAND	EANCOM®			6		Not av.
NORWAY - EAN NORGE	EANCOM® NORSK	50	93	93	0%	127
PERU - APC	EDI*PERU	30	40	60	33%	100
PHILIPPINES -PANC	EANCOM®	13	30	60	50%	100
POLAND - EAN POLAND	EANCOM®	2	11	50	78%	50
PORTUGAL - CODIPOR	EANCOM®	277	468	607	23%	850
ROMANIA - EAN ROMANIA	ROMCOM	3	16	30	47%	50
RUSSIA - UNISCAN / EAN RUSSIA	EANCOM®	2	5	26	81%	55
SINGAPORE - SANC	SHOPNET	11	25	30	17%	35
SLOVAKIA - EAN SLOVAKIA	EDI-VAN	8	8	8	0%	8
SLOVENIA - SANA	PETROL USER GROUP	11	11	11	0%	11
SOUTH AFRICA - SAANA						
SOUTH KOREA - EAN KOREA	EANCOM® KOREA	860	900	950	5%	1000
SPAIN - AECOC	EANCOM®	1050	1208	1640	26%	1900
SWEDEN - EAN SVERIGE	EANCOM® / EDIT + ESAP	3000	6000	13000	54%	14000
SWITZERLAND - EAN SCHWEIZ	EANCOM® - CH	270	270	300	10%	350
TAIWAN - CAN	EANCOM® TEDIS	550	571	4262	87%	4300
THAILAND - TANC	EANCOM®	32	47	50	6%	250
UNITED KINGDOM - ANA	EANCOM®	600	650	750	13%	830
URUGUAY - EAN URUGUAY	EANCOM®	9	25	45	44%	200
VENEZUELA - EAN VENEZUELA	EDI VENEZUELA	16	21	25	16%	32
▶ TOTAL NUMBER OF USERS		19855	31394	48556	35%	59425

*For ICODIF - EAN BELGIUM-LUXEMBOURG, 1999 the usage of EANCOM® was defined upon different criteria in 1999

Last Updated on 23-03-2000 By g400



Open here for an explanation of the service icons



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