

# Global Council Memberships

## EC Council – Electronics Components

### PIPs Available at NSC

0A1 - Notification of Failure  
2A9 - Query Technical Product Information  
2A12 - Distribute Product Master  
2A13 - Material Composition  
3A1 - Request Quote  
3A2 - Request Price and Availability  
3A4 - Request Purchase Order  
3A6 - Distribute Order Status  
3A7 - Notify of Purchase Order Update  
3A8 - Request Purchase Order Change  
3B2 - Notify of Advance Shipment  
3C3 - Notify of Invoice  
3C4 - Notify of Invoice Reject  
3C6 - Notify of Remittance Advice  
3C7 - Notify of Self-Billing Invoice  
4A1 - Notify of Strategic Forecast  
4A2 - Notify of Embedded Release Forecast  
4A3 - Notify of Threshold Release Forecast  
4A4 - Notify of Planning Release Forecast  
4A5 - Notify of Forecast Reply  
4B2 - Notify of Shipment Receipt  
4B3 - Notify of Consumption  
4C1 - Distribute Inventory Report  
4D1 - Notify of Material Release  
5C1 - Distribute Product List  
5C2 - Request Design Registration  
5C3 - Create Design Win  
5C4 - Distribute Registration Status  
5D1 - Request Ship from Stock and Debit Authorization  
7B1 - Distribute Work in Process  
7B5 - Notify Of Manufacturing Work Order  
7B6 - Notify of Manufacturing Work Order  
7C7 - Notify of Semiconductor Test Data  
PMP - SWIFT Payment Process

### PIPs in Progress/Planned

3A10 - Notify of Quote Acknowledgment  
4E1 – Notify of Sales Report

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## LINKS

### National Semiconductor

[www.national.com](http://www.national.com)

### National Semiconductor – RosettaNet Overview

[www.national.com/company/rosettanet/index.html](http://www.national.com/company/rosettanet/index.html)

### RosettaNet

[www.rosettanet.org](http://www.rosettanet.org)

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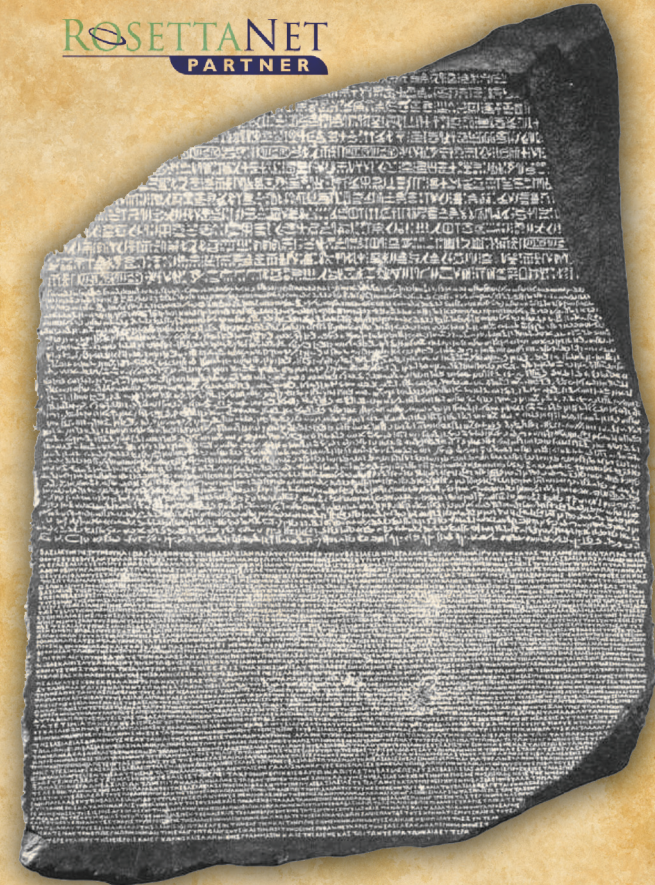
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# RosettaNet at National Information Brochure

2008

ROSETTANET  
PARTNER



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# What is RosettaNet?

**R**osettaNet is a supply chain consortium whose mission is to define standards around industry business processes and to develop real-time XML-based standards to support those processes (data transfer)

- Partner, Product & Service Review
- Product Information
- Order Management
- Inventory Management
- Marketing Management
- Service & Support



## ORIGIN

RosettaNet took its name from the ancient Rosetta stone, a basalt slab discovered in Egypt in 1799. The stone, found near the town of Rosette, was inscribed with the same message in three languages, dating back to 196 B.C. Although the message was of little significance, scholars were able to use the Greek message to translate two forms of Egyptian writing — cracking the code of hieroglyphics.

Much like its namesake, RosettaNet is breaking language barriers and making history. By establishing a global language for e-business, RosettaNet continues to open the lines of communication so that companies can realize the full potential of the digital economy, including highly effective trading networks, operational efficiencies and new business opportunities.

## GLOSSARY

### PIP - Partner Interface Process

The RosettaNet model that depicts the activities, decisions and Partner Role interactions that fulfill an eBusiness transaction between two partners in a supply chain. Each Partner must fulfill all obligations specified in a PIP.

### XML - Extensible Markup Language

HTML is concerned with display of content; XML is a language that is concerned with creating, sharing and processing information.

# RosettaNet at National

## APPROACH

Customer/business Partner driven; implementations focusing on the 'Sell' side of the business and sub-contractors

## STRATEGY

National's RosettaNet strategy is to be an 'Early Adopter' of the RosettaNet Standard, that will give us a competitive advantage for engagement with our customers or business Partners.

## ARCHITECTURE

- One centrally managed world-wide B2B environment
- Point-to-Point connections with trading partners
- Solution provider "webMethods"
- Our B2B gateway supports both RosettaNet Internet secure protocol RNIF 1.1 and RNIF 2.0

## FEATURES

- Gives Trading Partners (TP) the capability to interconnect multiple business processes using RosettaNet standard Partner Interface Process (PIP) transaction protocols
- Seamless end-to-end supply chain integration with suppliers, partner companies, customers, and third-party providers.
- Easy to automate existing business processes over the Internet using RosettaNet standard

## BENEFITS

- Fast, uniform, secure e-business transactions
- Reduces costs, increases productivity, reduces cycle times
- Opens new business opportunities that can be automated and integrated into your back-end processes
- Improves customer support, satisfaction, and retention
- Builds recognition for your company as an innovator and industry leader
- Enables faster deployment of business processes between TPs.
- Automatic tracking of message success/failure)
- Automated Resends (rules-based)
- Do business in real time (send/receive info immediately; no batch processes required)

## GLOBAL ORGANISATION

### Business process owners – Regional

Agree on program, set business rules, agree on T & Cs

### I.S Back-end process owners – Central

Responsible for back-end integration to the Enterprise

### I.S engineers – B2B integration - Regional

Responsible for PIP guidelines, PIP mapping, B2B connection

### I.S Business Analysis - Regional

Responsible for business/system processes, understanding interface to local TP

## Activity

### MILESTONE PROGRAMS

#### In Progress

- PCN & EOL

#### Completed

- Purchase Order (*Oct, 2000*)
- Collaborative Forecasting Phase 1 (*2<sup>nd</sup> 2001*)
- iHub (*Apr, 2001*)
- Collaborative Forecasting Phase 2 (*Dec, 2002*)
- Design Win Phase 1 (*2<sup>nd</sup> 2001*)
- Design Win Phase 2 (*1<sup>st</sup> 2002*)
- Self & Global Billing (*Sep, 2002*)
- Manufacturing Work Order (*Oct, 2002*)
- Manufacturing WIP – Phase 2 (*Sep, 2002*)
- Payments (*Dec, 2003*)
- Quote (*Nov, 2004*)
- Price & Availability
- Test Data Exchange
- Material Composition
- Material Release

### NATIONAL PIP PIPELINE

National has been implementing RosettaNet Partner Interface Processes (PIPs) since October 2000.

### STATISTICS

#### As of July 2008

Number of PIPs in Production	34
Number of Trading Partners	24
Number of PIP/Trading Partners	102
Transactions per month	170K
% of electronic transactions	18%