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Ident-PHF Gazette

Newsletter of the « Non Production Material Identification » network



Editorial

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Maintenance technical leader, responsible
for the project New Identification of the
PHF (Non Production Materials)

2008 was a mixed year, 2009 arrives with bad omens, the economic crisis spares nothing and no-one!... However, behind the stresses which ensue such as limitations of budgets, need of free-cash flow, etc., we shouldn't be hesitant to see opportunities appearing, and this will be precisely the case for Renault: the replacement of the SACIM reference system by a new reference system fed by ec@t-npmi is certainly going to be slightly delayed by some months, but on the other hand 2009 is going to be the opportunity to show that we can already achieve profits (or substantial economies) from the ec@t-npmi community platform and the 130 000 items which are already registered there...

Continuing the encouragement of the manufacturers to register the technical data of their industrial components remains a priority.

To convince the other top companies to join the same initiative, during this difficult period, can seem like utopia, unless we highlight the fact that they are going to be able to immediately get tools to clean up their purchasing and accounting reference systems and "clean" their stocks of spare parts (cleansing, de-duplication, adjustment of stocks)

Let's make no mistake about that! Exactly at this moment Service Providers propose tools to cleanse data... this is not completely by chance!

Finally to conclude 2008, let's mention that, in addition to the European Odette NPMI recommendation which was published in April 2008, AFNOR officially published the experimental standard Z99-005 to which we strongly contributed.

KEY EVENT

EXPLOITATION OF THE EC@T-NPMI DATA in the top user companies: It's starting ...

Whether it is at PSA, Arc International, EDF or Renault, the use of these data has undeniably started in the field, with the key objective being to benefit as soon as possible from what has already been registered by the manufacturers of industrial components (around 60 currently) for a total about 120 000 published items

Thus **PSA Peugeot Citroën** developed an internal application software, named RIBE-PR (Industrial Reference database of Production Equipements/Spare Parts) which began to partly take the place of SICIM, Non Production Materials reference system since the 1970s (see box page 2). This tool, fed partially by the data which were registered on the ec@t-npmi portal, is furthermore accessible to those manufacturers who registered their data, ...

Continued page 2 ...

THE REPORT...

The ec@t-npmi.net portal, today ...

*We propose a small guided tour of this portal ...
Connect, via internet, to www.ecat-npmi.net,
and let yourself be guided!:* ...

If you are not yet a "customer" of this service, opt for a free access limited to several days: click "test gratuit" or "demonstration" in the consultation area. Using concrete examples, we are going to see together how to

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KEY EVENT

...through the PSA supplier portal. Functionalities for the management of replacements (within the context of end of life and obsolescence of spare parts) as well as interchangeabilities are assured through this tool. At EDF, a project "AMELIE" has just been launched to "Transform the Logistics of the Spare Parts of the Nuclear Production Division" (see box opposite).

This initiative scheduled over the period 2008 to 2012 aims to improve, then ensure, the continued existence of the supply control process of spare parts for the maintenance needs of the nuclear park.

The actions already engaged cover 4 domains including, precisely, the renewal of the technical catalogue of spare parts with recourse to the eCI@ss standard and the use of the ec@t-npmi community platform.

ARC International testimonial : Bernard LEPRÊTRE

"Arc International, worldwide leader of Table Arts, must have an answer to the requirements of the current and future market. It was thus necessary to 'future-proof' the information system on solid bases responding to, amongst other things, the international constraints of the group.

So, our new reference system of Products for Internal Industrial Functioning (PF2I) is going to include the totality of items used by the group. The unique identification and the multilingualism of the classification and also, the characterization, allow an easy sharing of information by all departments and also simplified management, providing the opportunity for savings. This reference system is thus integrated in our current system. Convinced of the validity of the implemented principles, Arc International relies on and supports ec@t-npmi and is an actor in this common sense initiative.



B. Leprêtre

At Arc International, an application named PF2I (Internal PFI) has been developed, and is in the course of acceptance since the middle of March; it uses, obviously, ec@t-npmi as a source of technical data (see box alongside).

Finally, at Renault, even if the project to replace the SACIM (Non Production Materials reference system, in place since 1972) submits to the

EDF testimonial: Alain GAUTHIER / Pierre Alain LHOTE

"The Division of Nuclear Production of EDF engaged an initiative called AMÉLIE whose objective is to improve the logistics of spare parts in the service of the maintenance of nuclear power stations. This global project concerns all the domains of management of spare parts for example, purchases, the follow-up of obsolescence, or the update of our spare parts reference system.

This project is associated with the construction of a national logistic platform due for completion in mid 2011. This initiative thus demonstrates a will to use all the possible vectors of improvement.



P.A. Lhote

In this context, the promotion and development of the use of the electronic data catalogue constitutes for EDF a particularly useful lever: it allows us to have in a unique place reliable, standardized data, exploitable by all the users.

EDF thus associates completely with this action, already widely launched by manufacturers such as RENAULT. A communication with our suppliers is already started to develop the use of this tool in partnership with them."

economic recession and the risk of being launched in lots spread a little more over time, 2009 will nevertheless be the beginning of the exploitation and the taking advantage of the ec@t-npmi community platform, through 3 concrete axes:

1) Assistance to the referencing of new NPM

within the context of the launch of new mechanical units or vehicles, as well as during the production life of equipment in the manufacturing plants

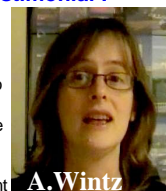
2) Documentary assistance to Maintenance and to the project specifications (Operational maintenance, project specifications, LMPPR)

3) Cleansing of duplications in purchasing contracts and in warehouses at the plants.

◆◆◆◆

PSA Peugeot Citroën testimonial : Agnès WINTZ

"In 2006, the PSA group launched into a big IT project to re-engineer its Maintenance system, and we took advantage of it to also work on rebuilding the technical data reference systems linked to the equipment domain: it is what we called the RIBE project. Within the framework of this project, we conformed to the standards which had been retained by the PFI committee and by the Odette-NPMI recommendation, i.e., the use of the eCI@ss classification and the EAN codification. Today, this RIBE project is in the deployment phase in all of our plants, and consequently these concepts which had been set first with the PFI committee are operational and are available for our maintenance resources, as well as for our process engineering resources, within the framework of the new projects"



A. Wintz

OTHER EVENTS

Ec@t-npmi in figures, to date ...

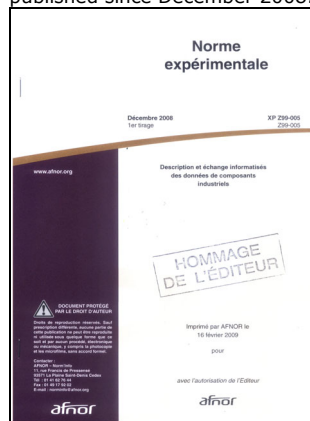
• As at 20 March 2009, the community platform of catalogue technical data, hosted on the www.ecat-npmi.net portal contains:

- More than 130 000 registered products
- From 62 manufacturers
- With 100 % of EAN codes
- Approximately 125000 of these products are certified to be in modelling conformity
- More than 118000 of these products are published on-line
- Associated documentation: more than 2 Gb



The AFNOR experimental French Standard XP Z99-005 was published by Afnor in December 2008

The result of more than 2 years of work led with the cooperation of PSA Peugeot Citroën, Schneider Electric, Airbus industries, Legris, Legrand, Norgren and Renault, this experimental standard was validated by the standardization commission "Scientific, technical and industrial data" (CN-DSTI) in October 2008; it is now official and published since December 2008.



It deals with the application in the field of the concepts retained by the PFI/ec@t-npmi initiative.

Thanks are sent to the numerous contributors to this standard, and in particular to the hard core constituted of Agnès Wintz (PSA Peugeot-Citroën), Laurence Barla (Learis-Parker), Daniel Tricône (Legrand) and Gerard Chaumond (Renault). Do not hesitate to obtain this document from Afnor www.boutique.afnor.org > Normes et produits d'édition > Normes en ligne)



Presentation of the initiative and the tools to EXERA, on March 17th 2009

EXERA, Association (40 members) of the Users of Equipment for Measuring, Regulation and Automation, created in 1974 with the support of the Industry ministry, organized on 17 Mars 2009, a presentation of the initiative eC@t-npmi and eCI@ss for its members. This presentation assured by Gérard CHAUMOND (Renault) allowed, during a duration of 3 hours, rich exchanges with the participants. Let us note among these participants the presence of the Honorary Chairman of the EXERA, its Technical Director and the Technical Secretaries of the activities "measurements-trials" and "automatisms", as well as the representatives of companies AREVA, EDF and DCNS.

IDE@ ⇔ eC@t-npmi / eCI@ss

Negotiations were begun and continue between IDE@ (a Gifec-Fenetec initiative) and PFI / ec@t-npmi to firm-up a partnership approach and put in place synergies, as much at the level of the concepts (a convergence towards the unique model eCI@ss seems to be acquired) as at the level of communication (manufacturers' common panel) and modelling tools ...

Welcome to a trainee at EDF

Venceslas de Lambilly has joined, since January 19th, the AMELIE project team (improvement of the logistics of spare parts for the nuclear power stations of electricity production).

Over several months he is going to participate in the communication to main suppliers of EDF to make easier the installation of



electronic catalogues based on the community platform ec@t-npmi..

We should also mention the departure, on 03/02/2009, of **Thibault David**, contractor in the team of F. Tournut (Automatisms Engineering) at PSA in Sochaux, whose mission, coaching of the manufacturers on the ec@t-npmi initiative, must be shortened due to the economic recession which we are experiencing ...

THE REPORT

(Continuation of the page 1) **Tour of the eC@t-npmi portal (consultation / catalogue section)**

...consult and display the product sheet, the documentation or the photo of an item, look for an item in the catalogue of a manufacturer or, on its technical criteria, in a family of multi-manufacturer products, compare several items of the same family on criteria of choice, create and manage private lists of favourite items, fill a basket with a selection of items and be sent the corresponding file of all the data of these items by e-mail, and many other functionalities existing or planned later ...

1) Consult and display the product sheet of an identified item

I have, for example, in front of me a Legrand timer device, ref. 004702, in its packaging, with its code EAN 3245060047023, and I wish to access the product sheet of this product, its characteristics, its photo and its associated documentation!... Nothing more simple: you click to the left of the screen on " I know the reference item " and key-in the EAN code (search possible by reference to the item 004702 or 4702 but the uniqueness of the result is then naturally not guaranteed).

2) Look for an item in a precise family

I wish, for example, to select a head of an emergency stop push button from Siemens: you click " search by supplier ", select Siemens by typing its name within the search box or by clicking its logo (at the bottom of the page 4); choose the class 27 37 12 10 " front element p. push-button " on the page 13, which numbers 198 references. A simpler and faster way is to launch a search by class first, even if you do not know it : click " search by family " and type a keyword of the title family, for example "push-button"; the search gives you 3 results of classes among which exactly " front element p. push-button ": by clicking on the "+" associated with this class, you will display the totality of items of any brands of this class ; by clicking the magnifying glass associated with the same class, you can launch a parameterized search where you go, for example, to specify "Siemens" as name of the manufacturer, it will allow you to display only the items that you wanted (heads push-buttons from Siemens)

3) Look for an item from all manufacturers, according to its technical criteria

I wish to look for, for example, inductive detectors of diameter 18 mm having a work contact (INO), of a length less than 55mm and working with a switching frequency between 250 and 600 Hz: very easy ! You identify first the class of these products, in the same way as previously, by clicking " search by family " and search with the "detector" keyword: you retain the class 27 27 01 01 " inductive proximity sensor ", and using the magnifying glass, you display all the technical properties associated with this class; you fill in the chosen criteria: diameter of sensor (mmt) = 18, design of control element = normally open contact (NO), switch frequency (htz) = range from 250 to 300, length of sensor (mmt) < 55, and launch the search; 5 products are then found (brands Contrinex, Pepperl & Fuchs, Senstronic)

4) Compare several items

On the previous selection (inductive detectors), I want to compare all or any of this selection on as many criteria as I wish: nothing more simple, you mark items to be compared (or mark " select all the items "), click on " compare ", select the criteria of comparison by making them pass to the right, for example: " Switch frequency ", " Length of sensor ", " Material of the active surface ", " Material of the housings ", " Housing construction form ", " Housing coating ", and launch the comparison (click on " compare"); you then get back a comparison table such as this one:

Fournisseur	Code article	Diamètre du capteur	Exécution de l'élément de commutation	Fréquence de commutation	Longueur du capteur	Matériau des surfaces actives	Matériau du boîtier	Modèle de boîtier	Revêtement de boîtier
CONTRINEX France	DW-AD-503-M18	18	Contact de travail (NO)	500	50	Plastique	Laiton	Cylindre, fileté	chromé
CONTRINEX France	DW-AS-509-M18-320	18	Contact de travail (NO)	500	48,5	Plastique	Laiton	Cylindre, fileté	chromé
PEPPERL+FUCHS	187799	18	Contact de travail (NO)	350	50	PTFE	PTFE/PEP	Cylindre, fileté	PTFE
SENSTRONIC	A120207M180511	18	Contact de travail (NO)	300	50,6	Plastique	Laiton	Cylindre, fileté	nickelé
SENSTRONIC	A120214M180511	18	Contact de travail (NO)	300	42	Plastique	Laiton	Cylindre, fileté	nickelé

5) Create and manage private lists of favourite products (functionality reserved for subscribers only)

Throughout the course of your selections of items, by clicking on " add to my selection " you establish a selection, which you can store in one or several favourite lists which you can reuse later during your next accesses ...

6) Recover the data (functionality reserved for subscribers only)

I wish to recover the technical data of selected products: it is simply enough to click on "my selection", then "recovery of the data"; an Excel file containing all the characteristics of these products will be distributed to you by e-mail within seconds

7) And many other functionalities not described here: do not hesitate to subscribe to eC@t-npmi!!!

In Brief...

Meetings with THALES and AIR LIQUIDE

In December 2008, respectively 11th for Air Liquide and 16th for Thales, Renault received at its Technocentre in Guyancourt, as part of the lobbying for the PFI initiative, representatives of the Maintenance, Purchasing and Logistics activities of the Spare Parts for industrial production equipment of these 2 companies. These persons were made aware of the stakes in the PFI initiative and of the undeniable interest of the eC@t-npmi community platform...

More to follow!...

ONTOLOGIES 2007 for eCI@ss

The works animated by Renault (G. Chaumont) have led to the development of the characterization of 23 classes, most of them being new (safety electrical equipments or components of resistive welding). After many episodes in the finalization of the process vis a vis eCI@ss, the result of this work, transmitted at the beginning of January, should be published in version V6.0.1 or V6.1 of eCI@ss in 2 or 3 months.

ONTOLOGIES 2008 for eCI@ss

The work, completed or almost completed for a part (3 classes of "wheels and castors" animated by P. Leibovici, 6 or 7 classes of "hydraulic accumulators" animated by G. Dubourg), should end for the classes still under discussion (4 or 5 classes of hydraulic filtration, under the guidance of G. Dubourg) within a few weeks. A formatting, assured by J. Collin (apprentice in alternate study), should allow us to submit the result of this work to eCI@ss during the course of the summer ...

ONTOLOGIES 2009 for eCI@ss

A working programme for 2009 is at present in the course of preparation: we could find there in any fashion groups on suction/vacuum pads (animation L. Rosse), on fluid connections (animation A. Deshayes or G. Dubourg), on barcodes readers or image analysis systems ...

More to follow ...

Distribution of this Newspaper:

This number was sent to more than 1150 addressees. If you wish to obtain previous editions, connect to www.ecat-npmi.net and click "newspaper" on the left of the screen ...

FOR FURTHER NOTE....

New data suppliers on **ec@t-npmi** :



...besides all those who had supplied data before end of November 2008:



Terminology

PHF (Produits Hors Fabrication) : Non Production Materials (NPM) , *named also* **PFI** (produits de fonctionnement Industriels)

EAN/GTIN : European Article Number ; **PLib** (Parts Library) : standard concept of ISO 13584 ; **LMPR** (Liste des Matériels Préconisés Renault) : List of Renault recommended components ; **AFNOR** (Association Française de Normalisation) : French Association for Normalization ; **ISO** : International Standards Organization ; **ec@t-npmi** : Electronic catalogue - non production materials identification

Contacts & useful links

Internet Sites

- about **PFI** initiative : www.galia.com (=> groupes de travail => PFI) , www.afim.asso.fr and www.odette.org
- about concrete operations : www.ecat-npmi.net (manufacturers and users services zones)
- about **PLib** : www.lisi.ensma.fr or www.plib.ensma.fr or www.toplib.com (Toshiba)
- about **eCI@ss** : www.eclasse-online.com or www.eclasse.de or www.eclasse.eu
- about **EAN** : www.gs1.org ou www.gs1.eu ou www.gs1.fr

Aide-memoire of working groups (currently in place)

Odette-NPMI Recommendation (ODETTE: grouping of European automotive manufacturers and suppliers) : European recommendation for the automotive sector on the basis of the 3 PFI concepts, accessible on www.odette.org.

Enlarged committee IDE@ (Gifec-Fenetec) **Mosaïc** (Alcan, Arcelor, EDF, Alstom, Renault, St Gobain) - **PFI** (Renault, PSA, Arc International, EDF Arc, Total, Schneider Electric, AFIM) + **Gimelec** : French interprofessional committee for the promotion of the convergence of e-catalogues (purchases and techniques), in the course of evolution towards an association under the law 1901 **ec@t-npmi**.

Experimental standard Afnor XP Z99-005 Document: published in December 2008, based on the field deployment of the 3 PFI concepts, accessible on www.boutique.afnor.org; recommendation PFI published by Galia in 2004, accessible on www.galia.com.

Working groups 2008 animation PFI for elaboration of **eCI@ss** ontologies on families of **wheels and castors** : finished in January, 2009 (Renault animation) and families of **hydraulic accumulators** and **filtration** : practically finished for accumulators with the end planned by May 2009 for the filtration (Renault animation)

Workgroup between IDE@ and eCI@ss: imminent restart as soon as the current negotiations are completed

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