MEXPACK

Preface

A Mexpack site should be treated as the next distribution node in the chain after implementation has been completed in all Volvo Data Gothenburg (VDG) nodes.

Some of the benefits of the Mexpack concept:

- well tested products
- products tested together
- the products has already been used in production in several LPAR's at VDG.

To fully exploit the benefits of the Mexpack concept, a Mexpack site should have the same set or a well defined subset of the products used at VDG. To give the best support possible, it is important for the Mexpack sites to try to be at the highest maintenance level available from VDG. There are also benefits in trying to use the same concepts when utilizing the products and in operations. The problems that might occur have then usually already been encountered at VDG. Disussions between VDG and Mexpack sites concerning issues in these areas are welcomed, so that agreements can be made.

Mexpack customers

There are two types of Mexpack customers (sites):

- Full Mexpack customer

  Uses MVS, TSO, VTAM and a lot of products distributed by Mexpack.

  VDNA (Volvo Data North America)
  VEDA (Volvo Europe Data)
  also called VDB, Volvo Data Belgium)
  VOV (Volvo Olofströms verken)
  PVSV (Volvo Personvagnar)

- Partial Mexpack customer

  Use only some specific subsystems like Memo, VCOM, Sesam, Filemon.

  NCBV (Ned Car BV)

VdB (Volvo do Brasil)

Mexpack organization

The overall responsibility for Mexpack belongs to the Mexpack Manager. This person is employed at department 2510.

Each full Mexpack customer have a designated Mexpack Technical Responsible person = MTR. This person is employed at department 2510.

For each product outside the IPL-volume, there is a Mexpack Supplier person (= MS) who normally do the preparation and the transmit to the Mexpack sites. This person is also normally the contact person with the Mexpack sites for his/hers product area. There are MS persons at different departments at VDG.

Specific rules

- Work for Mexpack is started in phase PROPAGATE (see appendix A). Step BUILD and DISTRIBUTE are done by VDG. Step IMPLEMENT is done by the Mexpack site. Implementation instructions should be distributed by VDG to Mexpack sites. If a Mexpack site asks for help to do the implementation step, there is a need for special agreement (this is not included in Mexpack service).
- At VDG we plan to have 4 Package Upgrade Occasions (PUO) per year. The agreement with Mexpack sites is that we should only distribute 2 times per year. This means that each PUO to Mexpack sites should include the two latest VDG PUO's.
- The Mexpack sites receive information from the SOFTPLAN meeting held at VDG. It includes all plans for installation of software.
- Dep. 2510 do the planning together with Mexpack sites for when to distribute PUO's to them. The MTR person at dep. 2510 coordinate when the MS's people should transmit the software that are included in the SYS-pool. The MTR person sends the information about what is included in the PUOs (both IPL-volume and SYS-pool) to the Mexapck site.
- MS's should together with the product files also send necessary documentation for the implementation at Mexpack sites.
- MTR's will send documentation for the implementation of the IPL-volume.
- If problems occur in products delivered by VDG, the Mexpack sites reports the problem to VDG. Normally the technician at the Mexpack site contacts either the MS person at VDG or the MTR person. This contact is normally done by memo or by phone.

  For the full Mexpack sites there are a special routine if they want to have a problem registrated in a formal way (in VDG's Problem Management system, Infoman). The Mexpack site should send a memo with description of the problem to VDG's Q-group. Memo id VD.JK and copy to VD.MARITAL and VD.GUNNARSV. The Q-group will than distribute the problem in Infoman to the 3 MTR at dept 2510 and to Mexpack Manager. The MTR person that are

assigned to the Mexpack site that the problem comes from, will then take care of the problem. If the problem belongs to another area than normally are handle by department 2510, the MTR send the problem back to the Q-group with information who should be the receiver of the problem (department and name). The Q-group will then re-destination the problem in Infoman.

VDG have the responsibility to contact and report the problem to the vendor if necessary.

- Mexalett should be used to transmit to Mexpack sites, and it is important that Mexpack sites also report to Mexalett when they bring any product into production. Receiver function job should be sent together with products to Mexpack sites in order to make it easy to update status in Mexalett.

Note:

- Vilma II is not used at all Mexpack sites.

Dataset rules for Mexpack

Distribution libraries.

- Index F0hhjj

Production libraries

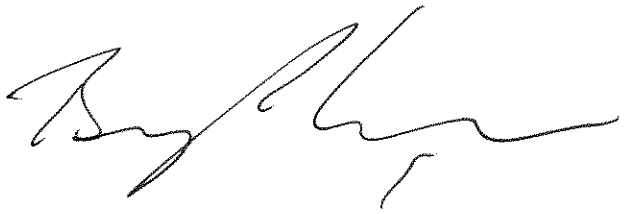
- Index Fxhhjj or SYS1
- F1hhjj AT MEXPACK NODES SHOULD NOT BE CHANGED OTHER THAN FROM VOLVO DATA GOTHENBURG.
- The uniqe second charcter in Fxhhjj should be used for production libraries contained local modification to libraries shipped from VDG or products installed and maintained at Mexpack nodes.

Mexpack Services

1996-02-01

Release 1.0

VOLVO DATA AB
Issued by: 2510, Gunnel Isaksson, DA2N
Approved by 2510, Bengt Rydberg
Reg no: 2510.MEXP.SRVCS.1996.001



Preface

This document will describe the Basic MEXPACK Services.

Contents

Introduction

The Mexpack concept was developed in 1980.
The basic idea is, to distribute complete and well tested base program software running at the VDG site, to the other Data Centers in the Volvo Corporation.

Primarily MVS and the products close to MVS are distributed to the Mexpack customers. Also the major subsystems IMS, CICS and DB2, a network/communication component and an SD/SM component are included in the Mexpack service.

Benefits

The major benefits of the Mexpack idea are:

- When the base system software levels are the same throughout Volvo, it is easy to share common experience and to exchange application systems (portability), between the different sites.
- No need for systems programmers to do routine SMP apply and error research at more than one site.
- The skills of the experienced and competent Tech Support staff at VD Göteborg (VDG) is an asset for all Mexpack installations.
- The base system software levels have been installed and tested together, in the heavy production load at VDG, which means that there is normally very little need for error research and corrective maintenance at the Mexpack sites.
- If a Mexpack customer needs to install a new product, the time from order to actual production is often very short, if the product is available in the Mexpack product list. The Mexpack customer may have a complete working product including 'know how' within a few days or weeks.

Discussions between VDG and Mexpack sites concerning issues in these areas are welcomed, so that agreements can be made.

Principles

Mexpack products

All software products used at VDG are available for distribution to the Mexpack customers. Normal classification and maintenance from each vendor applies. VD classification for VDG produced products also applies to Mexpack.

All software products distributed to Mexpack have been installed and used in the VDG Data production environments in Göteborg before distribution.

Installation of other software products not used by VDG may be performed by Volvo Data after special agreement, but then there will be no testing at VDG. VDG cannot be Technical Responsible for such products.

Product levels

The product mix at VDG is base for what products are available for distribution.
VDG PUO cycles with new levels of software products decide which new products and product levels that will be installed. When planning new software levels, VDG will take requirements from Mexpack customers as well as VDG customers into consideration.
Mexpack customers can give input to and are welcome to join the MVS SOFTPLAN meeting where the final decision for each PUO package is made.

Mandatory customization

Some parts of VDG standard customization are mandatory for the Mexpack customers, e.g. VICS and IPLSETUP. Please refer to separate sections for each product in this document for details.

Naming Conventions

The use of the Volvo Network Naming Conventions is mandatory for all software products delivered from VDG. Please refer to the separate VDG documents in Memo BB 2005NAME in MEMOA, or ask your Mexpack Technical Responsible (MTR) for a copy.

Updates to software delivered

No updates should be made to any data sets or libraries (except parameter libraries) distributed to the Mexpack customers without consulting the technical responsible person (TR) at VD. If changes or modifications are needed, they should be placed in private, separate data sets or libraries, which the Mexpack site handles. The use of the Volvo naming conventions for systems data sets is mandatory.
Each Mexpack site has a unique second character in high level qualifier Fxhhjj, which should be used.

Package Upgrade Occasion (PUO)

Each VDG PUO level is orderable for the Mexpack customers, as soon as it has been taken into production in all VDG LPARs.
The Mexpack customers are encouraged to plan the PUO installation together with VDG to be able to coordinate any support from VDG technicians.
It is mandatory for the Mexpack customer to install each PUO level not later than at the time when the following PUO is available.
Mexpack support is dropped for the previous Mexpack level, when the new level has been installed at all Mexpack sites.
The new PUO levels are sent as separate data sets, using the VDG product Filemon, except for the MVS sysres, which is distributed on tape.
A customized tool, Mexalett, is used to keep track of all product distribution (except for the MVS sysres today).
The Mexpack customer must use the Mexalett Receiver function to update the Mexalett data bases with information of installation date.

Information/instructions for PUO

All necessary information for the Mexpack customer to be able to install the new PUO level into production is sent together with each product.

Production installation

The installation of each PUO level is performed by the Mexpack customer. Special assistance from VDG personnel may be agreed upon but is not part of the Mexpack Service.
The Mexpack customer is fully responsible for the local technical and end user test and verification of the new Mexpack level.

Operation

All responsibility for tasks related to normal operation of the MVS environment (e.g. Help Desk, Change Management, Problem Handling, Systems Management etc.) belongs to the Mexpack customer.

Documentation

Documentation of all VDG products, modifications, standards, etc. are available and may be ordered from VDG.
Changes to the documentation are distributed together with the PUO level where the change is implemented.

Corrective maintenance

Normally the products have been installed and tested with the heavy production load at VD for several weeks before distribution to any Mexpack site. This means that there is seldom any need for corrective service at the Mexpack target systems.

If there is a need for corrective service after the installation of a new Mexpack PUO level, VDG will apply the necessary PTF(s) and send the updated load module(s), macros etc. for installation at the Mexpack target system.
If a problem should arise when the Mexpack site is on a Mexpack level older than the latest level available, Volvo Data normally will demand an upgrade, to be able to help solve the problem.
Note that if VDG needs to install maintenance to a lower level system, because the Mexpack customer cannot, for some reason, install the last Mexpack level, the updated system will not be tested in normal production as mentioned above.
N.B. A special agreement with VDNA is in effect for products on the MVS sysres.

Technical support responsibility (MTR) at VD

There is one person assigned as Technical Support Responsible (MTR) for each Mexpack installation. This person will coordinate all technical questions and make sure that any problems get solved as soon as possible.

Problem handling

Please refer to separate Mexpack Chapter in VTHB document for Problem Management.

Test

Each Mexpack customer has the possibility to perform functional tests of any critical applications or functions in the VT environment during Customer Test phase of each PUO.

Source code

Source code for VDG products, exits etc. is normally not distributed. If special handling in exits is required, VDG will make the necessary code changes and distribute the complete load module.

Change Requests

If the Mexpack customer has a change request to a Mexpack product, the TR person for that product evaluates the request. If the change is accepted it is implemented and distributed in a later PUO.

HW

The Mexpack customer is required to install sufficient hardware to be able to restore and run the Mexpack levels, as mentioned in item 'Package Upgrade Occasion (PUO)' above.

Filemon

The distribution of all software products (except for the MVS sysres) is done with Filemon, so the installation of the product Filemon is mandatory for all Mexpack sites.

Customization and Use of Mexpack products

Mexpack customers are recommended to use the Mexpack products in the same manner as at VDG, if possible. This will make the creation and use of the Mexpack package easier, and it will reduce the time and effort for problem handling at the Mexpack site.

MVS Base System

This section will describe the Mexpack MVS Base System.

User SVCs and exits

The use of the same set of user SVCs and user exits is recommended for all Mexpack sites, since it simplifies systems portability and problem research.
The use of most of the Volvo Data exits is free of choice. But IPLSETUP, smfexits and VICS are mandatory.
If there are special requirements for any MVS/TSO exits, they will be taken into consideration together with new development projects.

VICS

VICS is the Volvo Customized TSO/ISPF user interface. The use of the Volvo VICS System is required for all Mexpack sites.

IPLSETUP

IPLSETUP is the standard setup for the Volvo user CVT. The user CVT is used by the smfexits and various other VD functions. It is required for all Mexpack sites.

Smfexits

The accounting and job control exits are required for all Mexpack sites.

Hardware requirements

Minimum dasd requirement for a Mexpack target system depends on size and number of software products installed. For level PUO95A minimum D/T 3390 model3 is recommended.
Minimum cpu model requirement for a Mexpack target system, is in accordance with the requirements from the vendor(s) for the softare products included in the Mexpack package. E.g. a new level of the Operating System, may require a minimum level of the cpu model.

MVS system upgrades

Upgrades to the Mexpack MVS system normally only consists of a new copy of the MVS sysres, together with documentation and instructions.
The Mexpack customers are recommended to have an inactive MVS sysres (SY1xxX or SY1xxY), to restore it to. The use of DEVT(0000) and VOLSER(******) for the data sets on the MVS sysres is also recommended.
The Mexpack sysres is customized to contain only data sets for products that are used at the Mexpack site.
An unloaded copy of the SMPE target CSI is included on the MVS sysres for informational purposes.
A special agreement with VDNA is in effect for corrective maintenance to products on the MVS sysres. Please refer to data set F1MXVT.VDNA.IOGEN(ÅÅÅPTF) for details.

Z system

A mini One-Volume IPLable System (called Z system), for use in 'disaster situations' is distributed to the Mexpack customers.
Documentation and instructions are included.
The Mexpack customers are requested not to make any changes to the Z system.
When needed (e.g. new device support) a complete new Z system will be distributed.

IMS

This chapter describes the IMS part of MEXPACK.

Base

MEXPACK customers are recommended to use IMS in the same manner as at VDG. This will make the creation and use of the MEXPACK package easier.

You can find all details about how to run IMS in the VDG IMS Operating Handbook.

It is mandatory to use MVS MEXPACK if you want IMS MEXPACK, due to all dependencies between IMS and base MVS.

All new IMS resources should be registered by the customer in GENI. GENI is an application used for IMS generations to specify all required resource information.

IMS/DB

It is possible to get IMS/DB as a separate part of IMS MEXPACK.

Sub products

Following IMS sub products are used at VDG and may be included.

BMC Software	DELTAIMS Dynamic maintenance of IMS Resources
BMC Software	ULTRAOPT/IMS Optimizes data streams for IMS
Boole&Babbage	MV MANAGER for IMS Monitor and automation tool for IMS

User exits and modifications

Normally, every IMS MEXPACK customer will get all user exits and modifications that are used at VDG.

See chapter Overview, sections User exits and User modifications, in the IMS Operating Handbook.

Package Upgrade Occasion (PUO)

IMS is included in the PUO planning.
IMS is upgraded approximately once a year, and the upgrade may be a new version or a PUT level upgrade.

For customers who do not have Deltaims, the IMS generations are made after the NCP generations are planned. That is usually six to eight times during a year.

CICS

This chapter describes the CICS part of MEXPACK.

Base

CICS in MEXPACK consists of the base product CICS, including CICS Attachment Facility (DB2 interface), and common CICS sub products used at Volvo Data Gothenburg.

In order to get correct connections between the systems (e.g. SVC's) MEXPACK/CICS-customers also are recommended to have MEXPACK/MVS.

Sub products

Following sub-products for CICS are used at VDG and should be included.

ACF2/CICS, CA Security

The Monitor for CICS, WSA Scandinavia (LANDMARK) Tuning, data collection and monitoring

User exits

Normally, every MEXPACK/CICS customer will get all user exits used at VDG, as well as autoinstall and node-error programs developed by VDG.

Package upgrade occasion (PUO)

CICS is included in the PUO planning.

However, due to practical reasons, upgrading of CICS to a new version might be placed aside of a normal PUO.

Normally, when an upgraded CICS has been running for some weeks in all VDG environments, it will be distributed to the MEXPACK/CICS customers.

The upgrade may be a new version or a PUT level.

DB2

This chapter describes the DB2 part of MEXPACK.

Base

The MEXPACK customers are recommended to use DB2 in the same manner as at VDG. This will make the creation and use of the MEXPACK package easier.

You can find all details on how to use DB2 in the 'The DB2 Handbook' part of SDSMHB.

Details on how to operate DB2 at VDG, are available in the DB2 Operating Handbook. Please contact memoid VD.DB2 for a copy.

It is mandatory to use MVS MEXPACK if you want DB2 MEXPACK, due to all dependencies between DB2 and base MVS.

It is also mandatory to run VICS and VILMA2 since DB2 in TSO is only accessible from VILMA2 functions.

Sub products

Following DB2 sub products are used at VDG and may be included.

IBM	QMF
Platinum	PDA, RC/QUERY, RC/MIGRATOR, RAPID REORG
Boole&Babbage	MVmanager for DB2

User exits and modifications

No user exits are included in the DB2 MEXPACK package.

The DB2 MEXPACK customers will get all modifications that are run at VDG.

Package Upgrade Occasion (PUO)

DB2 is included in the PUO planning.
Ugrades may be a new version/release or a PUT level upgrade.

SD/SM Environment

This chapter describes SDSM Environment part of MEXPACK.

Base

You can find all details of how to run some of the separate SDSM products in the SDSM Handbook.

Products

It is mandatory to run VICS and VILMA2 for many of the SDSM products.

Following products may be included in SDSM Mexpack:

MSP	Datamanager
Computer Associates	Eplus
Compuware	FileAid
Compuware	AbendAid
Texas Instruments	Composer Host Encyclopedia
Texas Instruments	Composer MVS IT
IBM	SDFII
Volvo Data	VILMA Base System
	Eplus Vilma Interface
	Cobol Vilma Interface
	PL/1 Vilma Interface
	ACF2 Vilma Interface

The COBOL, PL/1, C, and REXX compilers may be distributed together with the MVS Base System.

Package Upgrade Occasion (PUO)

All SDSM environment products are included in the PUO planning.

Network and Communication

This chapter describes different network and communication products in MEXPACK.

VCOM

This section describes VCOM in MEXPACK.

Base

The MEXPACK customers are recomended to use VCOM in the same manner as at VDG. This will make creation and use of the MEXPACK package easier aswell as the maintenance of the VCOM network.

All new VCOM nets must be registered at VDG to avoid duplicate names. Nodes should follow a similar naming convention that is used in the SNA network.

VCOM may be ordered separately and will not be delivered together with other MEXPACK distribution.

Package Upgrade Occasion (PUO)

VCOM is not included in the PUO planning.
Since VCOM is a Volvo Data developed product the upgrades will be delivered when they are ready and have been tested at VDG. The upgrade may be a new version or a new release (PUT level upgrade).

Filemon

This section describes Filemon in MEXPACK.

Base

The MEXPACK customers are recomended to use Filemon in the same manner as at VDG. This will make creation and use of the MEXPACK package easier.

Filemon may be ordered separately and will not be delivered together with other MEXPACK distribution.

Package Upgrade Occasion (PUO)

Filemon is not included in the PUO planning.
Since Filemon is a Volvo Data developed product the upgrades will be delivered when they are ready and have been tested at VDG. The upgrade may be a new version or a new release (PUT level upgrade).

VMF

This section describes VMF in MEXPACK.

Base

The MEXPACK customers are recomended to use VMF in the same manner as at VDG. This will make creation and use of the MEXPACK package easier.

VMF can be ordered seperately and will not be delivered together with other MEXPACK distributions.

Package Upgrade Occasion (PUO)

VMF is included in the PUO planning.
No further development of VMF is done and therefore only one version exsists. However, new levels can be distributed if changes in VTAM demands changes in VMF.

Netview

This section describes Netview in MEXPACK.

Base

MEXPACK customers are recommended to use NetView in the same manner as at VDG. This will make the creation and use of the MEXPACK package easier.

You can find all details about how to run NetView in the Netview vN.N, Overview handbook supplied by dept. 2110. Contact memoid VD.2110SW if You want a copy.

Installation procedure and dependencies is described in the Basedoc document. This document should be delivered at the same time as an new NetView release or version is shipped. It can also be requested through a memo to VD.2110SW.

Package Upgrade Occasion (PUO)

Netview is included in the PUO planning. Fixes may be delivered separatly after tested in VT01 and VT02, if major problem exists.

AOC/MVS

This section describes AOC in MEXPACK.

Base

The MEXPACK customers are recommended to use AOC/MVS in the same manner as at VDG. This will make creation and use of the MEXPACK package easier.

AOC/MVS is delivered with the IPL volume and consists of libraries delivered by IBM plus a PARMLIB that should be used by NetView. None of the datasets delivered on the IPL volume has to be customized.

Customer has to customize their own policies and the NetView AUTOMATION-TABLE.

Package Upgrade Occasion (PUO)

AOC is included in the PUO planning. New releases will be installed at Volvo Data within a reasonable time after IBMs G.A. Customer can run on a different level of AOC/MVS, but on their own risk.

Abbreviations

VDG	Volvo Data Göteborg
IR	Installation Responsible person
TR	Technical Responsible person
OR	Operations Responsible person
PR	Product Responsible person
MTR	Mexpack Technical Responsible person
PUO	Package Upgrade Occasion
PUR	Package Upgrade Responsible person
VTHB	VT Handbook
SDSMHB	SDSM Handbook (VILMA2 function)

Document rules and responsibility

These rules cover the maintenance of this document, and the responsibility included therein.

Source text

The source text is stored in data set F1MXVT.MEXAVTAL.TEXT.

New release handling

When being updated, the main responsible person decides whether a new edition shall be released or not. This should be done at least once a year or when one or several important additions/changes have been made. In between, minor updates in source text may be done.

When a new edition is available, information about this new release shall be sent by MEMO, using distribution list in member SENDDL, in data set F1MXVT.MEXAVTAL.TEXT.

When the new release is available, a new printed document with the latest edition shall be replaced in a binder and approved by Bengt Rydberg.

Responsibility

The main responsible person for this document, is department 2510, Gunnel Isaksson.

The GGG project
Subproject "Common Platform & MEXPACK"

8:25 a.m.

Inge Forsberg
Bert Christensson

VOLVO DATA AB
Version 1.3.0

Contents

OBJECTIVE

Description

The subproject "Common Platform and MEXPACK" has the objective to describe the base products, standards and MEXPACK for the three Volvo Data DC's.

Definition

From this description the Common Platform will be defined in coorporation with Gent and Greensboro.

The Common Platform document will include the following for:

MEXPACK

- Principles
- Distribution
- Responsibility
- Implementation
- Z system

Software products

- Levels
- Exits and their implementations
- Usermods and their implementations
- Parameters
- Methods

Standards

- Subsystem identifier
- System dataset names
- Jobnames
- Procedure names
- STC names
- JCL

    - Input classes
    - Output classes
    - Jobcards
- VICS id
- SEC id
- LID
- ...

The primary choise of solution is the one currently used in Gothenburg but considerations will be taken for local needs.

Resources

When the definition is complete an assumption of resources needed to reach this Common Platform will be done.

Responsibilities

The following persons have been assigned as responsible for this subproject in the three sites:

- Gothenburg
    - Inge Forsberg, 2510
    - Bert Christensson, 2520
- Gent
    - Hubert Francet, 7600
    - Wim Clement, 7600
- Greensboro
    - Fay Donahue, 1068

STATUS

This section describes the status of this document and the subproject in common.

Today the document has been revised according to decisions during the working group discussions 18-21 Nov 1991.

The first step was to document the present software situation at each site. Then we have discussed which products, in the MVS Base and VICS, that are to be mandatory and included in the common platform. We have documented the differences in these products and tried to agree upon wich common way to continue.

Some changes have also been applied to the other subprojects pruduct lists but they are still not complete.

An appendix B has been added with a beginning af an action list.

The list of job classes has been updated and is now a proposal with a number or classes defined as COMMON to GGG. The rest of the classes are available for local use.

The detailed description of MVS Base and VICS has been left out of this document and are now separate documents.

MEXPACK

This section will give an overview of the MEXPACK concept used in the Volvo Group.

Introduction

The MEXPACK concept was developed about 12 years ago.
The basic idea was, and still is, to distribute complete and well tested base program software to the Data Centers in the Volvo Corporation.

Primarily MVS and the products close to MVS are distributed to the MEXPACK customers. Also the major subsystems IMS, CICS and DB2 and a network/communication component are parts of the MEXPACK service.

Benefits

The major benefits of the MEXPACK idea are:

When the base system software levels are the same throughout Volvo, it is easy to share common experience and to exchange application systems (portability between the different sites).

No need for systems programmers to do routine smp apply and error research at more than one site.

The skills of the many experienced and competent Tech Support staff at VD Gothenburg is an asset to all MEXPACK installations.

The base system software levels have been installed and tested together, during load at VD Gothenburg. Which means that there is normally very little need for error and corrective maintenance at the MEXPACK sites.

If a MEXPACK customer needs to install a new product, the time from order to production is often very short, when the product is available in the MEXPACK product. The MEXPACK customer may have a complete working product including 'know how' within days or weeks.

History

Since the introduction of the first MEXPACK system in 1980 the following installations have been made within Volvo:

VKM	Volvo Komponenter	Skövde	1980-1990
VME	VME Industries	Eskilstuna	1980
VNA	Volvo North America	Rockleigh, NJ US	1983
VEDa	Volvo Europe	Gent, Belgium	1984
PVSV	Volvo Cars	Göteborg	1984
PVOV	Volvo Cars	Olofström	1986
VFA	Volvo Flygmotor	Trollhättan	1987
CAE	Volvo Cars	Göteborg	1987-1989
DCÖK	Volvo Cars	Göteborg	1988-1989
VKT	Volvo Komponenter	Köping	1988-1989

Also 3 MEXPACK systems have been distributed to customers outside Volvo.

Principles

Naming Conventions

The use of the Volvo Network Naming Conventions is mandatory for all software products delivered from Volvo Data. Please refer to the STANDARDS section in this document.

MEXPACK products

Normal classification and maintenance from each vendor applies. VD classification for Volvo Data produced products also applies to MEXPACK.

All software products distributed to MEXPACK have been installed in the Volvo Data production environments in Gothenburg before distribution.

Installation of other software not used by Volvo Data may be performed by VD but then there will be no production testing at VD.

Product levels

The product mix at Volvo Data is the base for what products are available for distribution. Normally Volvo Data needs for upgrading to new levels is governing which new products will be installed and also when they will be installed. When planning new software levels, Volvo Data will take demands from MEXPACK customers into consideration.

Distribution

The frequency of distribution varies. The MVS system (together with other products included on the MVS sysres) is distributed to the MEXPACK sites approximately twice a year. While for example IMS is distributed approx. 4 times a year.
All maintenance should be distributed to the MEXPACK customers not later than six months after installation at VD upon agreement with the MEXPACK customer.
The MEXPACK customer is required to install the new software level(s) within reasonable time, to avoid unnecessary problem handling for older levels. (There may be delays if new sw levels require hardware which is not yet available at the MEXPACK site.)
The new software levels are sent as separate datasets, using the Volvo Data product FILEMON, except for the MVS sysres, which is distributed on tape.
A customized tool, MEXALETT, is used to keep track of all product distribution (except for the MVS sysres today).
Documentation and instructions are sent together with the new software levels. It is the customers responsibility to install the new sofware into production at an appropriate time.

Corrective maintenance

Normally the products have been installed and tested with the heavy production load at VD for several weeks before distribution to any MEXPACK site. This means that there is seldom any need for corrective service at the MEXPACK target systems.

If there is a need for corrective service after the installation of a new MEXPACK level, Volvo Data will apply the necessary PTF(s) and send the updated load module(s), macros etc. for installation at the MEXPACK target system.
If a problem should arise on an older MEXPACK level, normally Volvo Data will require an upgrade to the latest level, to be able to help solve the problem.
Note that if Volvo Data needs to install maintenance to a lower level system, because the MEXPACK customer has no possibility to install the last MEXPACK level, the updated system will not be tested in normal production as mentioned above.
For the VDNA installation a special agreement is made to satisfy their special needs because of the time zone difference.

Updates to software delivered

No updates should be made to any datasets or libraries distributed to the MEXPACK customers without consultation with the technical responsible per at VD. If changes or modifications are needed, they should be placed in private, separate datasets or libraries, which the MEXPACK site handles. The use of the Volvo naming conventions for systems datasets is recommended (Ref. to the STANDARDS section of this document).

Technical support responsibility at VD

There is one person assigned as Technical Support Responsible for each MEXPACK installation. This person will coordinate all technical questions and make sure that any problems get solved as soon as possible. Ref. to separate MEXPACK document for Problem Management.

Source code

Source code is not distributed to the MEXPACK sites. If special handling in exits is required, Volvo Data will make the necessary code changes and distribute the complete exit.

Documentation

Documentation of all Volvo Data modifications, standards, etc. will be distributed to the MEXPACK customer if available.

Filemon

The distribution of all software products (except for the MVS sysres) is done with Filemon, so the installation of Filemon is mandatory for all MEXPACK sites.

MEXPACK MVS Base System

This section will describe a MEXPACK MVS Base System.

User svcs and exits

The use of the same set of user SVCs and user exits is desired for all MEXPACK sites, since it simplifies systems portability and problem research.
The use of most of the Volvo Data exits is free of choice. But IPLSETUP, SMFexits and VICS are mandatory.
If there are special requirements for any exits, they will be taken into consideration together with new development projects.

VICS

VICS is the Volvo Customized TSO/ISPF user interface. The use of the Volvo VICS System is required for all MEXPACK sites.

IPLSETUP

IPLSETUP is the standard setup for the Volvo user CVT. The user CVT is used by the smfexits and various other VD functions. It is required for all MEXPACK s

Smfexits

The accounting and job control exits are required for all MEXPACK sites.

Storage management requirements

The use of the following Volvo Data standard esoteric names are mandatory.

WD unit name for temporary datasets (Work pool)

MD unit name for permanent datasets (Mean-time pool)

TS unit name for permanent datasets (Time sharing pool)

PP unit name for permanent datasets (Public pool)

Hardware requirements

Minimum dasd requirements for a MEXPACK system is dependent on how many software products are installed.
Since the current MEXPACK MVS level is MVS/ESA the minimum requirement for the cpu is 3090 or ES/9000.

System volumes description

For the initial installation of a new MEXPACK MVS Base System the following system volumes may be used.

Please note the naming convention for system volumes, and the standard for where to place the system datasets.

The types of volumes are dependent on what types are available at the MEXPACK site, but the minimum requirement for the MVS sysres volumes are D/T 3380/E. VD recommends D/T 3380/K due to the large amount of system datasets.

The exact number of volumes is dependent on the actual need, which has to be calculated for each new installation.

SY1xx1 Catalog volume. Contains master catalog, SYS1.PARMLIB, SYS1.PROCLIB, SYS1.LOGREC, SYS1.MANx, backup page datasets, SADUMP pgm., VICS user and function datasets etc.

SY1xxX and SY1xxY MVS sysres's. Contains system datasets for MVS and the products installed together with MVS e.g. TSO/E, DFHSM etc.

SYSxx1, SYSxx2, SYSxx3 etc. SYS volumes. Contains ACF2 databases, JES2 proclib's, accounting catalog, TSO/ISPF datasets for the Volvo SD/SM environment, system datasets for products not installed together with MVS, e.g. IMS reslib (if IMS is used at the MEXPACK installation). The number of volumes depend on how many MEXPACK products are installed.

PA1x01, PA1x02, PA1x03 etc. Page volume(s). Contains page and duplex datasets.

J2Sxx1, J2Sxx2, etc. JES2 spool volume(s).

J2Cxx1. JES2 checkpoint volume(s).

TS0xyy, MD0xyy, WD0xyy, PP0xyy etc. Volumes for user datasets.

xx = system id e.g. C1

x = system id e.g. C

yy = consecutive number

Z system

A mini one volume IPLable system, for use in 'disaster situations' is distributed to the MEXPACK customers.
Documentation and instructions are included.
The MEXPACK customers are requested not to make any changes to the Z system.
When needed (e.g. new device support) a complete new Z system will be distributed.

MVS system upgrades

Upgrades to the MEXPACK MVS system normally only consists of a new copy of the MVS sysres, together with documentation and instructions.
The MEXPACK customers are recommended to have an inactive MVS sysres (SY1xxX or SY1xxY), to restore it to. The use of DEVT(0000) and VOLSER(******) for the datasets on the MVS sysres is also recommended.
The MEXPACK sysres is customized to contain only dataset for products that are used at the MEXPACK site.
An unloaded copy of the smpe target csi is included on the MVS sysres for informational purposes.

IMS

This chapter describes the IMS part of the MEXPACK.

Base

For the MEXPACK customer it is recommended that IMS should be used in the same way as at VD in Gothenburg. This will make the building and the use of the MEXPACK package easier.

You can find all details about how IMS is run in the IMS Operating Handbook.

It is almost neccessary to have MVS MEXPACK if IMS MEXPACK is wanted because of all those dependences between the systems.

All new IMS resources should be registrated by the customer in GENI. GENI is an application used when doing IMS generations, to get needed resource information.

IMS/DB

It is possible to get IMS/DB part separate as IMS MEXPACK.

Subproducts

Following subproducts to IMS are used at VD and can be included.

DELTAIMS	BMC Software
IMF	Boole&Babbage
Superoptimizer 3270	BMC Software

User exits and modifications

Normally, every IMS MEXPACK customer will get all user exits and modifications that are run at VD. See chapter Overview, sections User exits and User modifications, in the IMS Operating Handbook.

Propagation occurances

Approximatly IMS is upgraded once a year and when the upgrade has been running for a while in all VD environments it is propagated to all IMS MEXPACK customers. The upgrade can be a new version or a PUT level upgrade.

For customers who do not have Deltaims included in MEXPACK the IMS generations are made after the NCP generations are planned. That is usually six to eight times during a year.

CICS

This section will describe CICS in MEXPACK.

Base

CICS in MEXPACK consists of basic CICS product and VD CICS naming conventions.

MEXPACK CICS desire that the customer also have MEXPACK MVS to get correct connections between the systems, e g svcs.

Subproducts

Following subproducts to CICS are used at VD and can be included.

The monitor for CICS, LANDMARK	Tuning, data collection and monitoring
Forward Recovery, SOS Data	Recovery of VSAM-files from CICS log

User exits

Normally, every CICS MEXPACK customer will get all user exits that are run at VD. We also have our own autoinstall pgm, and node error program.

Propagation occurances

Approximatly CICS is upgraded once a year and when the upgrade has been running for a while in all VD environments it is propagated to all CICS MEXPACK customers. The upgrade can be a new version or a PUT level upgrade.

DB2

This chapter describes the DB2 part of the MEXPACK.

Base

For the MEXPACK customer it is recommended that the use of DB2 should be in the same way as at VD in Gothenburg. This will make the building and the use of MEXPACK package easier.

You will be finding all details about how DB2 is running in the DB2 Operating Handbook.

It is almost necessary to have MVS MEXPACK and TSO/VICS MEXPACK installed if DB2 MEXPACK is wanted because of all dependencies between the systems.

Volvo DB2 menues

The Volvo menues for DB2 are included in a DB2 MEXPACK delivery.

Subproducts

Following subproducts to IMS are used at VD and can be included.

QMF	IBM

Following subproducts for DB2 are used at VD and has not yet been delivered as Mexpack. This can be done if wanted.

MV Manager for DB2	Boole & Babbage
Platinum Database Analyzer	Platinum

User exits and modifications

No VD DB2 exits are delivered together with DB2 MEXPACK. They are delivered seperatly upon request. At VD there are only just a few exits installed.

Propagation occurances

Approximatly DB2 is upgraded once? a year and when the upgrade has been running for a while in all VD environments it is propagated to all IMS MEXPACK customers. The upgrade can be a new version or a PUT level upgrade.

Network and Communication

This chapter describes different network and communication products in MEXPACK.

VCOM

This section describes VCOM in MEXPACK.

Base

For the MEXPACK customer it is recomended that the use of VCOM should be in the same way as at VD in Gothenburg. This will make the building and the use of MEXPACK package easier as well as the maintenance of the VCOM network.

All new VCOM net must be registered at VD in Gothenburg to avoid duplicate names. Nodes should follow a similar naming standard that is used in the SNA network.

VCOM can be ordered seperately and will not be delivered together with other MEXPACK distributions.

Propagation occurances

As VCOM is a Volvo Data developped product the upgrades will be delivered when they are ready and has been tested at VD in Gothenburg. The upgrade can be a new version or a new release (PUT level upgrade).

VMF

This section describes VMF in MEXPACK.

Base

For the MEXPACK customer it is recomended that the use of VMF should be in the same way as at VD in Gothenburg. This will make the building and the use of MEXPACK package easier.

VMF can be ordered seperately and will not be delivered together with other MEXPACK distributions.

Propagation occurances

No further development on VMF is done and therefore only one version exsists. However, new levels can be distributed if changes in VTAM demands changes in VMF.

COMMON PLATFORM - PROGRAM PRODUCTS

The system consists of a number of major blocks. Some blocks are mandatory and some are optional. Within each block there are, as well, some mandatory and some optional program products (OPTIONAL means that this product is not necessary for the block itself but if the services the product provides is needed, this is the recommended product).

This section reflects the status of this subproject (MVS Base and VICS) but also the matrixes for all the other subprojects. The contents of the other subprojects matrixes is just a way to document what they have agreed upon and those parts are not completely updated.

The level (Version, release, modification level and PUT level) of each program product (named PP) or function is the current MEXPACK level which should be installed as soon as possible after delivery to assure proper function and quality.

MVS BASE SOFTWARE

This block is mandatory

MVS Base software					
		VD	**VEDa**	**VDNA(C1)**	**VDNA(R1)**
Mandatory					
5668-962	ASM/H	2.1.0	2.1.0	2.1.0	2.1.0
5665-XA2	DFP V2	-		-	-
5665-XA3	DFP V3	3.2.0	3.2.0	3.1.0	3.1.0
5740-SM1	DFSORT	1.11.0	1.11.0	-	1.11.0
5668-260	EREP	3.4.2	3.4.2	3.4.2	3.4.2
5665-191	IOCP	2.2.0	2.2.0	2.2.0	2.2.0
5740-XC6	JES2 V2	2.2.0	2.2.0	-	2.2.0
5685-001	JES2 V3	-	-	3.1.3	-
5740-XC6	MVS/SP V2	-	-	-	2.2.0
5685-001	MVS/SP V3	3.1.3	3.1.3	3.1.1	-
5665-274	RMF	4.1.2	4.1.2	4.1.2	3.4.1
Optional					
	GAM/SP	1.3.0	1.3.0		
5668-949	SMP/E	1.5.1	-	1.5.1	1.5.1
To be discontinued					
	SYNCSORT	-	-	3.1	-

ASSEMBLER/H: To be able to assemble and generate the MVS system.

DFP: DFP is the other half of the MVS system.

DFSORT: The IBM SORT/MERGE product.

EREP: In order to serve hardware and software service personnell with proper information on problems in the system.

GAM/SP: Graphics access method. PP to be used in conjunction with CADAM/CATIA.

IOCP: To create and load the IOCDS to define the configuration to the IO subsystem. May be replaced by Dynamic Reconfiguration functions in MVS/ESA V4.

JES2: Input/Output and SPOOL system for MVS

MVS: The MVS base is, of course, MVS itself. For the moment we are running MVS/SP ESA V3 but sometime this year we plan to take MVS/ESA SP V4 into production.

RMF: Resource monitor that has to be installed to create SMF-records for accounting according to VD standard.

SMP/E: To maintain the MVS system. Install PPs and fixes and also to display the actual system levels.

SYNCSORT: An alternative SORT/MERGE product.

VICS SOFTWARE

This block is mandatory

VICS software					
		VD	**VEDa**	**VDNA(C1)**	**VDNA(R1)**
Mandatory					
5665-356	GDDM	2.3.0	2.2.0	2.3.0	-
5668-812	GDDM/PGF	2.3.0	2.2.0	2.3.0	-
5665-319	ISPF	3.2.0	3.2.0	2.3.0	3.1.0
5665-317	ISPF/PDF	3.2.0	3.2.0	2.3.0	3.1.0
5685-025	TSO/E	2.1.1	2.1.1	2.1.1	2.1.0
Optional					
To be discontinued					
5734-UT1	TSO DU	yes	yes	-	yes

VICS is the TSO/E implementation at Volvo Data

GDDM: Major part of the VICS product.

ISPF, ISPF/PDF: Major component of VICS

TSO Data Utilities:

TSO/E: Interactive system to maintain and support the system.

TSOMON: Monitor for performace and accounting. Switch accounting code.

OPERATION AND AUTOMATION SOFTWARE

This block is mandatory

Operation and automation software					
		VD	**VEDa**	**VDNA(C1)**	**VDN A(R1)**
Mandatory					
	AOC/MVS	1.1.0	-	-	-
	EXPRESS DE-LIVERY	yes			
	SAR	yes	-	-	-
	NETVIEW	2.1.0		1.3.0	1.3.0
	OMEGAMON/MVS			Curr	V710
5665-371	OPC/A EMS	1.2.0	1.2.0		1.2.0
5665-372	OPC/A CTL	1.2.0	1.2.0		1.2.0
5665-373	OPC/A NEC	1.2.0	1.2.0		
5665-488	SDSF	1.3.0	1.3.0		1.1.0
	VPS	5.0	5.0	5.0	-
Optional					
5665-270	DITTO	-	yes	1.1.0	2.0
Legent	MIM/MIA	3	-	3	-
Merril	MXG	-	-	8.8	yes
Legent	PMO				
Legent	QUICK FETCH			2.5	
5688-139	TSCF	1.1.0	-	-	-
	IOF	-	-	6.0/7.0	
	JMR/SMR	-	-	3.3/4.1	4.5
To be discontinued					
Legent	Automate/MVS	-			
9310-VPW	JCLSPLIT/VPW	-	-	-	yes
	PROPER	yes	-	-	-
5665-310	RMDS	-	-	1.4.0	1.4.0
Candle	DEXAN	yes	-	-	-
Candle	EPILOG	yes	-	-	-
5785-BAC	JES328X V2	-	-	-	yes
GOAL	OPS/MVS	-	-	-	2.0
GOAL	OPS/OCF	-	-	-	yes
5798-CRE	SOF	-		-	

This block will be handled by a separate GGG subproject.

QUALITY SOFTWARE

This block is optional

Quality software					
		VD	VEDa	VDNA(C1)	VDNA(R1)
Mandatory					
Optional					
5685-060	INFO/MGMT V4	4.2.0	-	3	-
5685-059	INFO/SYS V4	4.2.2	-	3	-
To be discontinued					
5735-OZS	INFO SYS	-	-	-	1

This block will be handled by a separate GGG subproject.

ACCESS CONTROL SOFTWARE

This block is mandatory

Access Control software					
		VD	**VEDa**	**VDNA(C1)**	**VDNA(R1)**
Mandatory					
	ACF2	5.2	5.2	5.1	5.1
	ACF2/IMS	5.2	5.2	5.1	5.1
	ACF2/CICS	5.2	5.2	5.1	5.1

ACF2: The security within the MVS systems within the Volvo Group is to be handled by ACF2 according to a desicion by the Volvo EDP Committee.

This block will be handled by a separate GGG subproject.

STORAGE MANAGEMENT SOFTWARE

This block is mandatory

Storage management software					
		VD	**VEDa**	**VDNA(C1)**	**VDNA(R1)**
Mandatory					
5665-327	DFDSS	2.5.0	2.5.0	2.5.0	2.4.0
5665-329	DFHSM	2.5.0	2.5.0	2.4.0	2.4.0
5655-257	ICKDSF	1.12.0	1.12.0	1.12.0	1.11.0
CA	CA-1 (TMS)	1.4.1	-	4.8	4.8
Optional					
	ABR	-	-	5.1	-
	DMS/OS	1.8.1	-	-	1.8.1
	FDR	-	-	5.1	-
	IAM	-	-	6.0	-
	SSM	2.1.2	-	-	-
	STOPX37	-	-	3.2.6	-
	DPTECHNICIAN	-	-	yes	-
To be discontinued					
	COMPACTOR	-	-	yes	-
	FASTDASD	-	-		
5796-BDY	HSMMRU	-			

Storage management is handled by the Volvo Data Storage Concept described in separate documents. The main VD concept for the future is built around the IBM SMS concept.

HSMMRU Does not support DFHSM 2.5.0 or higher.

This block will be handled by a separate GGG subproject.

DATABASE SYSTEMS SOFTWARE

These blocks are optional

IMS					
		VD	**VEDa**	**VDNA(C1)**	**VDNA(R1)**
Mandatory					
5665-408	IMS/ESA DM	3.1	-	3.1	-
5665-409	IMS/ESA TM	3.1	-	3.1	-
B&B	IMF/Batch	2.6			
B&B	IMF/online	2.6			
BMC	DELTAIMS/VT	4.0			
Optional					
5668-948	BTS	2.0		1.2	
5740-XXR	DB ANALYZER	2.1.4			
BMC	IMS DB UTILS	2.1			
BMC	DATAPACKER	2.0			
BMC	SUPEROPTIMIZ	1.0		2.0	
CA(DBMS)	IMS TOOLKIT	3.1.C			
LEGENT	MICS/IMS	4.2			
VD	GENI	1.0			
VD	VCMD	1.0			
VD	VINFO	3.1			
?	IMS GATEWAY				
5685-093	DB TOOLS	-	-	2.1	-
5796-ATF	MSGREQ	-	-	1.0	-
To be discontinued					
5665-332	IMS/VS	2.2	2.2	-	-
5668-937	IMSADF II	2.0	yes		-
5796-PHX	IMSADF I	1.0			-
CA/DBMS)	DB ANALYZER	3.1			
WSA	UFO/IMS	2.6			

CICS					
		VD	VEDa	VDNA(C1)	VDNA(R1)
Mandatory					
5740-XX1	CICS	1.7(3.1)		2.1.2	
WSA	TMON	7.1(8.1)			
Optional					
ASI	CICSPRINT	3.1		2.1.2	
BMC	DATAPACKER/CICS	3.1(1.2.A)			
BMC	SUPEROPTIMI-ZER	1.0		2.1	
NAMIC	ABENDAID/CICS	5.6.1			
SOSDATA	FORW.RECOV.	1.0			
CA	CA LOOK				
BMC	JOURNAL MGRPLUS			2.2	
NETEC	CAFC			3.2.2	
WSA	UFO/CICS	3.0(3.2)			
To be discontinued					

DB2					
		VD	VEDa	VDNA(C1)	VDNA(R1)
Mandatory					
5665-DB2	DB2	2.2.0			
B&B	DB2 MANAGER	1.1.6			
Optional					
5668-721	QMF	2.4			
5706-254	QMF	3.1			
IBM	DB2EEE	2.1			
LEGENT	MICS/DB2	4.2			
5798-DLQ	DBEDIT				
	DADS or Appl				
GOAL	Insight DB2			2.34	
Bachman	DB2 Extract			3.10	
Platinum	RC/Update			2.1	
To be discontinued					
5665-354	DB2PM Perf.mon	1.2.1			

CSP					
		VD	VEDa	VDNA(C1)	VDNA(R1)
Mandatory					
5668-813	CSP/AD	-		3.2.2	
5668-814	CSP/AE	-		3.2.2	
5668-918	CSP Query	-		1.0	
Optional					
To be discontinued					

IDMS					
		VD	VEDa	VDNA(C1)	VDNA(R1)
Mandatory					
	IDMS-DC	-	-	-	
	IDMS/R CV	-	-	-	
	IDMS/R DBA T	-	-	-	1.10.2
	IDMS/R DDS	-	-	-	
	IDMS/R DM	-	-	-	
	IDMS/R IDD	-	-	-	
Optional					
To be discontinued					

Miscellaneous					
		VD	VEDa	VDNA(C1)	VDNA(R1)
	RC/Report	-			
5665-366	SDFII Maint	-			

This block will be handled by a separate GGG subproject.

COMMUNICATIONS SOFTWARE

This block is mandatory

Communications software					
		VD	**VEDa**	**VDNA(C1)**	**VDNA(R1)**
Mandatory					
9510-XFR	FILEMON			yes	yes
5665-362	NETVIEW	2.1.0		1.3	1.3
5665-333	NPM	1.4.0		1.3	1.3
	NPSI			2.1	-
	TCP/IP			2.1	-
5665-289	VTAM XA	3.3.0	3.3.0	-	3.2
	VTAM ESA	-	-	3.3.0	-
	3270 FTP	1.1.1	1.1.1	1.1.1	1.1.1
Optional					
5668-985	HCF	2.1.0		2.1.0	2.1.0
	LAN MANAGER				20.0
5735-XXB	ACF/EP			1.6	
5668-854	ACF/NCP			4.3.1	4.3.1
5665-338	ACF/SSP			3.5.0	3.5.0
9310-HLP	HELP			ancient	yes
	TRACS			2.0.0	
	VMF				yes
To be discontinued					

This block will be handled by a separate GGG subproject.

ECONOMY AND ADMINISTRATION SOFTWARE

This block is optional

Economy and administration software					
		VD	**VEDa**	**VDNA(C1)**	**VDNA(R1)**
Optional					
	BDBF				
	CA/JARS				
	MICS				
	TSOMON	Yes			

This block will be handled by a separate GGG subproject.
OBS Gör inga ändringar här, kontakta 2502HH i stället
Dok håller på att föras över till Memo BB
Informationen här kan vara inaktuell
NOTE Please be aware that this information may be superseeded by other doc. Transition of doc to memo BB's is under way.
Please contact VD.2502HH

STANDARDS

ABSTRACT

The purpose of this section is to document current naming conventions within, primarily, the Volvo 370/390 systems and its environment (system dataset naming etc). Some sections are also applicable to other platforms.

The need for a document like this is obvious if you consider the requirements imposed by the software used and the complexity of software maintenance in a distributed environment, especially since most of the system related maintenance is done 'by' Volvo Data.

The occurence of several versions of one subsystem within one environment in the network places a need to formalize the names of both subsystems and their components, e.g. associated datasets.

The documentation over currently valid assignments can be found in separate appendices.

This document includes some basic standards. Other standards, for special areas, can be found in the other documents.

Our intention is to maintain these standards and the current status should, in the future, be found in a VD Systems Handbook and available online.

If nothing else is stated dep 2500 at VD maintains the following standards ***AND*** their implementation. VD should be contacted in order to update standards and assignments before they are introduced in the systems.

Notation used

Item

Standard: aabbzzxx

aa	.....
..	.....

Rationale: because of .....

In the prototype name (xxyyzz..) lowercase letters indicate substitute character positions and CAPITAL letters indicate fixed positions (i.e. should be written as shown).

Component name structure

The names of components and resources throughout the network are built up of several identities. Below is a list of these 'sub-identities'. They will be refered to throughout this document, as they comprise the full names of network components. Note that the examples given below are not exhaustive. Please refer to separate documents for a complete and valid list.

cc Company Code (maintained by dep 2170 at VD).
Responsible: dep 2170

hhhh Subsystem/serviceform type
Responsible: dep 2510

hh short form of subsystem/serviceform (product id)
To be used corresponding to Project number in applications.
Responsible: dep 2510

jj Environment. This is the identification of the physical or logical environment.
Responsible: dep 2510

k subsystem/serviceform subidentifier to make multiple copies possible - 1-9, A-Z allowed.

nn Identifier 00-ZZ unique within each environment.
Responsible: dep 2510

CPU naming rules

A clear distinction is made between a physical machine and a logical one. The physical machine is the actual hardware and is identified by its serial number. The logical machine is related to environment and consists of an identifier appended to the environment id.

Physical CPU

Standard: mmmm-sss

mmmm Model designation (e.g. 3090)

sss Last three digits of CPU serial number

Rationale: Physical id is supposed to designate the physical hardware, and nothing else.

Responsible: dep 2120

Logical system/Logical CPU

Standard: jjnn

jj Logical system ID. A unique identifier to define an environment consisting of one, or more, CPUs sharing main resources.

A logical system could also define a specific configuration of shared DASD. A shared DASD logical system is defined as the DASD pool holding data cataloged in one or more USER CATALOGS defined in MASTER CATALOGS in more than one logical system.
(i.e. S3 is the logical system of shared DASD, shared by the C1, C4 and R1 CPUs).

nn Identifier, unique for each CPU within each logical system.

Responsible: dep 2510

JES2 resources

These are routing resources. Used in JCL mostly.

NJE (Network Job Entry)

Standard: NJEjjk/NJEnnnnn

jj Environment id.

k subsystem/serviceform subidentifier

nnnnn Organisational or other type of nickname. Defined in JES2 tables.

Rationale: This resource id should be used in JCL, etc. to route jobs to a certain logical system for execution.

Responsible: dep 2510

NJO (Network Job Output)

Standard: NJOjj/NJOnnnnn

jj Environment id.

nnnnn Organisational or other type of nickname. Denotes a discrete output component (e.g. an RJE-stn). Could be located anywhere within the network. The physical connection is kept in JES2 tables.

Rationale: This resource id should be used in JCL, etc. to route output data to a certain environment. No change to JCL is needed if for example a printer is moved from one physical line to another.

Responsible: dep 2510

System Datasets

The chief aim when establishing a networkwide standard for system data sets has been to ensure as far as possible, that the risk for duplicate names across the network be kept as low as possible. For some IBM-supplied datasets this cannot be avoided.

Standard

SYS1.anyname These datasets keep their original DS-names as supplied by IBM or by other vendors. Datasets that are Volvo environment independent and are located on the SYSRES volume. They are cataloged in the master catalog.

Fxhhjjk.status.type For system datasets created/maintained by Volvo datacenters.
They can be identical or unique for different environments as to their contents.
They are not cataloged in the master catalog.

SYS3.Fxhhjjk.status.type For datasets which fits the above description ***and*** have to be cataloged in the master catalog. This is the case for datasets accessable via the LINKLST, for instance.

Note: All distributed datasets are considered to belong to a subsystem.

Fx company code (maintenance responsibility)

hh subsystem/serviceform identifier

jj organisation id/environment id or equivalent

k subsystem/serviceform subidentifier. OLD standard.....
OLD standard to be replaced !

status i.e. status qualifier, descriptive mnemonic,
e.g. PROD/TEST/TEMP/HIST/ssid/product etc
(or combination of these)

type descriptive mnemonic, e.g. VTAMLST, LINKLIB, SRC, OBJ, LOAD, PARM etc. See appendix A

Additions

An ending name part might be added if appropriate, i.e. for special data sets which should be dated:
.Byymmdd - backup data set
.Dyymmdd - distributed data set
.Nyymmdd - new data set (to replace current)
.Oyymmdd - old data set (when replaced by new)

Rationale

The standard takes into account the fact that subsystem datasets can be created and maintained by one node in the network, and subsequently be shipped to other nodes to make up a production environment there. Furthermore it must be possible, in case of an emergency, to rebuild the production environment of one node at another location without having to cope with duplicate dataset names. The risk of one

updating the wrong dataset just because of an erroneous route-statement in a batch-job stream also demands some solution.

Software distribution from Volvo Data.

Involved in the process of distributing and maintaining software at Volvo Data's 'export-nodes', there are several types of libraries.

Distribution libraries.

- Index F0hhjj
- Base version.
- One set per release.

Installation libraries:

- Index F0hhjj
- In MEXNODE
- Only changes
- Maps production library

Production libraries

- Index Fxhhjj
- Run-time libraries
- Could reside at different nodes.
- ***F1hhjj at Mexpack nodes should not be changed other than from Volvo Data.***

Test/Development libraries:

- Index F2hhjj
- For local development.

Private datasets.

There is a need of 'private' datasets as well (like: libraries used to 'generate' subsystem-related software, maintenance tools etc). These should all be named:

F2hhjj.status.type for subsystem/product-oriented datasets, or

userid.status.type for 'individual-oriented' datasets.

userid = security id

Catalog names

MASTER Catalogs

There is one master catalog in each MVS system

Standard: CATALOG.MASTjjcc

jjcc Logical CPU id as described under ***Logical systems and Logical CPUs***.

Responsible: dep 2120

USER Catalogs

There is one or more user catalogs defined in each logical system

Standard: CATALOG.SMjjnn

jj Logical system as described above.

nn Serial number of each unique user catalog within one logical system.

Responsible: dep 2120

Description of a JOB CARD

This is a description of what a job card should look like at Volvo Data and how different parameters control the processing of a job. Only those parameters of special importance to Volvo Data are explained. A detailed explanation of all standard parameters can be found in MVS/ Extended Architecture JCL Reference, GC28-1352.

Syntax:

```
// job name JOB (deb-info, JES2-parm), programmer field,
                key-word parameter...  comments.
```

Job name

A job name must be stated. This consists of a minimum of one to a maximum of eight alphanumeric characters.

Note: In order to look at the job using SDSF, the job name must correspond to the user-id or NOTIFY=user-id must be noted in the job card. For explanation of NOTIFY= see below.

Invoicing-information "deb-info"

Debiting information appears as follows:
operation code, sub-operation code, assignment code, phase code, sub-assignment

Note: Everything is written in sequence. Commas have been inserted here to better show how the field is built up.

Operation code consists of two characters and has to be specified. In general the code 5x is reserved for remote processing and the code 6x for local processing. The following codes exist:

51-53 Tests for customers
54 Production for customers
55 Production for customers
61-63 Tests for Volvo Data
64 FULL SERVICE production
65 FULL SERVICE production

Note: Express Delivery uses operation codes 54, 55, 64 and 65.

sub-operation code consists of one character. It must be specified and is equal to 0.

assignment code consists of six characters. It must be specified and is equal to the account number to be debited.

phase code consists of two characters and must be specified. This code is used for follow-up. If it is not used, specify 00.

sub-assignment code consists of up to eight alphanumeric characters. If the assignment code allows, it is possible to get accounting for sub-assignment from VIKOS. If sub-assignment is omitted it will be set to job name if it is a production job, i.e. RTN= in the programmer field, for all other jobs no sub-assignment code will be set.

Programmer field

This is an optional text string consisting of a maximum of 20 characters. If special signs are used they must be surrounded by apostropes.

The string is only checked for RTN at the beginning of the string. RTN stands for routine and should be followed by a blank or an = character followed by the name of a routine. This is of importance in how the job is handled by various products and how the job will be charged.

The following products/functions use

RTN routine

- JCLSPLIT
- Express Delivery

The following products/functions use

RTN=routine

- JCLSPLIT
- OPC/A FULL SERVICE
- Express Delivery
- VIKOS (sub-assignment, see above).

JES2-parm

These are parameters which explain how JES2 handles the job.

distr, time, lines, card, forms, copies, log, linect

None of these parameters requires specification, but "distr" ought to be stated. If one or more of the parameters is given, a comma must be used in place of the parameters which are to be skipped. An easier method of specifying parameters is to use the counterparts found in /*JOBPARM-card.

distr Specify here with a maximum of four characters where to send the reports produced from the job. Corresponds to ROOM= in the /*JOBPARM- card.

time Indicate here with at most four digits the job's anticipated maximum execution time in minutes. ***Max 1439*** If a time has not been specified the standard value is applied which at present is 20 minutes. 1440 should not be used when we cannot be given a warning about long execution time. This information governs placement in the in-queue. The job will not be interrupted if the indicated time is exceeded. Corresponds to TIME= on the /*JOBPARM-card. This parameter should not be confused with the TIME= parameter which can be stated on the job card with which the maximum CPU-time is indicated.

lines This is the maximum number of lines allowed for the job given in thousands of lines. A maximum of 9999 can be stated. If nothing is noted 100 will be assumed. If the maximum number of lines is exceeded, the job will be cancelled. Corresponds to LINES= on the /*JOBPARM-card.

card This is the maximum number of cards allowed for this job. If not otherwise indicated, 100,000 cards are approved. If the maximum number of cards is exceeded, the job will be cancelled. Corresponds to CARDS= on the /*JOBPARM-card.

forms This determines which form will be used when JES2 prints the reports. JCLSPLIT requires 1800. Corresponds to FORMS= on the /*JOBPARM-card.

copies This states how many copies of the reports should be produced. If omitted, one copy is assumed.
Corresponds to COPIES= on the /*JOBPARM-card.

log Indicates if JES2 is to print the log of the job. N signifies that the log is not to be printed. If this parameter is omitted, or any other character is written, the log will be printed. N is not allowed when using JCLSPLIT.

Corresponds to NOLOG on the
/*JOBPARM-card.

linect

This is the number of lines printed by JES2 before moving to the next page. The highest number is 254 for reports to be transmitted over the network while lists printed locally may have a maximum of 255. If linect is set to 0 there will be no page break. If no value is indicated, it will be set at 42 lines per page.
Corresponds to LINECT= on the
/*JOBPARM-card.

Key-word parameters

This is a short description of the most frequently used parameters:

- CLASS = x
- MSGCLASS = y
- NOTIFY = user-id
- USER = user-id
- PASSWORD =

CLASS = x — This parameter states in which class the job will be executed. If this parameter is omitted the class will automatically be set to A. See "Appendix B" for permissible job classes.

MSGCLASS = y — This parameter states in which print out class (SYSOUT, output) the log of the job will be placed. If omitted, the parameter is set to A. Class A applies for JCLSPLIT. See "Appendix C" for permissible classes.

NOTIFY = user-id — If this parameter has been used on the job-card, a message will be sent to the respective TSO user-id when the job is finished. This parameter also controls who is allowed to look at the job using SDSF.

USER = user-id — This parameter identifies for the system the person who has sent the job for processing. This information is used by the security system.

PASSWORD = password — This is the user's password in the security system. This parameter is to be used only in combination with USER = .

Note: USER = and PASSWORD = will be explained in greater detail in the new Volvo Data Security Handbook.

Example 1

Job card for a job through TSO

```
//V012345A JOB (610v0000100,AVD1), 'TEST-JOBB',
//          MSGCLASS=A,CLASS=N,
//          NOTIFY=V012345
```

Example 2

Job card for a production job

```
//X123APA1 JOB (650VX123100, AVD2,30,,,1800,,,0),
//          'RTN=X123APB',CLASS=D
```

This information is an abstract from the Volvo Data "SERVICES - OP and TECH SUPPORT" handbook. All future updates will be made in the handbook only. Description of input classes A-Z

Class	User	Times	Rules	GGG
A	All	00-24	Class missing. Init not active	Y
B			RESERVED	
C	OPC	00-24	Prodjob without tape prio 1,2,3	Y
D	OPC	00-24	Prodjob without tape prio 6	Y
E	All	00-24	Test IMS-bmp's	Y
F	21/25xx	00-24	System maintenence Archive-jobs IMS-prod	
G	OPC	00-24	Prodjob with tape prio 1,2,3,6	Y
H	VKAB	18-06	Only VKAB	
I	All	00-24	User initiated jobs. "**Direkt**" I: 005 min, S: 002 Msu, A: 010 Msu, P: 4	Y
J	ÅF	00-24	Volvo ÅF-customers (dial-in)	
K			RESERVED	
L	VTV	00-24	Only VTC	
M			RESERVED	
N	All	00-24	User initiated jobs. "**Normal**" I: 020 min, S: 001 Msu, A: 003 Msu, P: 1	Y
O	CAE	00-24	CAE/CADAM and plotters	Y
P	Penta	00-24	Only Penta	
Q	All	18-06	User initiated jobs. "**Very heavy** " I: --- min, S: --- Msu, A: --- Msu, P: 0.4 (Night) I: --- min, S: --- Msu, A: --- Msu, P: 0.33 (Weekend)	Y
R	Parts	00-24	Only Parts	
S	All	00-24	User initiated jobs. "**Quick**" I: 005 min, S: 0.1 Msu, A: 0.3 Msu, P: 2	Y
T	All	00-24	User initiated jobs. "**Medium heavy**" I: 240 min, S: 004 Msu, A: --- Msu, P: 0.8 (Day) I: 240 min, S: 004 Msu, A: --- Msu, P: 0.58 (Night)	Y
U	RJE-misc	00-24	Prod. RJE-customers without own classes	
V	Alla	00-24	IMS-bmp's "**High-prio.**"	Y
X	CICS	00-24	Online-class CICS.	
Y	RJE	00-24	Input from RJE to V-D and Extractions. I: 005 min, S: --- Msu, A: --- Msu, P: ---	
Z	TADB-customers	00-24	Spec. class for tech. computing Only in VK01 I: --- min, S: 030 Msu, A: --- Msu, P: 0.8	

I = Max inqueuetime, S = SU limit, A = Abend limit, P = Price factor

Description of classes 0-9

Class	User	Times	Rulesr	GGG
0	Syslog	00-24	Only operations Volvo-Data	Y
1	All	00-24	IMS-bmp's "**Low-prio.**"	Y
2	Penta	00-24	Only Penta	
3	VTC	00-24	Only VTC (MH-system)	
4	Tape archive	00-24	Only dep.2160, TMS and Extas-in.	
5	TP	00-24	Online-class.Test IMS-mpp/CICS/Roscoe.	Y
6	TP	00-24	Online-class.Prod IMS-mpp/CICS.	Y
7	2120		Special 2120	
8	VLV	00-24	Only VTC	
9			RESERVED	

Explanation of SYSOUT CLASSES at VD

Class	User	Time	Rules
A	All	00-24	STD-sysout, JCLSPLIT (Forms 1800)
B	All	00-24	Cards
C			**Don't use anymore**
D	All	00-24	Dump sysout (Forms 1811)
E			**Don't use anymore**
F			**Don't use anymore**
G	All	00-24	STD-sysout for SASWTR, VPS grafik
H	All	00-24	Hold. Cleared after 2 days
I	VDSYD	00-24	CICSPRINT. Cleared after 7 days.
J	RJE	00-24	Special forms
K	RJE	00-24	Cards
M	All	00-24	Output only with abend/JCL-error.
O	SAR	00-24	SAR internt.
P	All	00-24	VPS Plotter
R	HSM	00-24	Cleard of HSM every morning
S	All	00-24	Hold. Cleared after 24 hours
T			**Don't use anymore**
U	All	00-24	Com-prod
V	All	00-24	Com-test
X	Syslog	00-24	Prod
Y	Syslog	00-24	Test (SU)
0	All	00-24	No output print.
1	All	00-24	Central printing VD. Ready 05:40. Own transport.
2	All	00-24	Central printing VD. Ready 06:30. Own transport.
3	All	00-24	Central printing VD. Ready 07:30.
4	All	00-24	Central printing VD.
6	P2data	00-24	Moved to 9 after 1 day.
9	P2data	00-24	Hold, can be reached throgh TSO. Cleared after 3 days.

This information is an abstract from the Volvo Data "SERVICES - OP and TECH SUPPORT" handbook. All future updates will be made in the handbook only.

GGG solution

A subset of these classes should be defined as common to GGG.

Description of CONTROL CARDS AFTER, BEFORE and CNTL

These control cards are used to determinate the order in which jobs are to be carried out.

AFTER

If it is essential for a job 'JOB2' to be delayed until a job 'JOB1' has completed its run, then the card

```
/*AFTER JOB1
```

should be placed after the job card for job 'JOB2'. Note that this is not a guaranty that the jobs will be executed on the same computer, however, 'JOB2' will not start execution before 'JOB1' is terminated.

BEFORE

It is also possible to specify that 'JOB2' not start before 'JOB1' has finished by placing

```
/*BEFORE JOB2
```

directly following the job card for 'JOB1'.

Column	1-8	"/*AFTER" OR "/*BEFORE"
	9-80	not in use

CONTROL

The user can prevent a data set from being updated at the same time by several jobs from the same or different CPUs by using the /*CNTL-card. Each /*CNTL-card has a name 1 to 8 characters long, and an EXC or SHR (default) specification.

```
/*CNTL DSNAME,EXC
/*CNTL DSNAME,SHR
/*CNTL DSNAME          results in default SHR
```

The name "DSNAME" is not a specific name for the data set, just a logical name between different jobs. In order to get results, however, the logical name must be the same for all the jobs one wants to control through this option.

Jobs with the same control name will not be executed at the same time if any of the jobs have been specified EXC. Jobs with SHR may be executed simultaneously on the same or different CPU's. This function does not affect jobs which are not using the /*CNTL-card.

Column	1-6	"/*CNTL"
	7-80	not in use

Note:

1 Only one (1) of the cards mentioned above may be used in the same job.

2 The job to be executed first ought to be loaded first to insure the correct result.

This information is an abstract from the Volvo Data "SERVICES - OP and TECH SUPPORT" handbook. All future updates will be made in the handbook only.

```
************************************************************** * NOTE    I M
P O R T A N T       !!!!!!!!!!!!        * *
* *       This member is now obsolete and invalid.        * *       Valid
standard implementation is to be found in  * *       lib
F1PUVT.STANDARD.TEXT                       * *
/2502HH   93-08-11      *
**************************************************************
```

Appendix A. STANDARDS IMPLEMENTATION

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Logical systems (jj) and Logical CPUs (jjcc)

jjcc	Owner/Customer	Location	Resp org	Opsys
BM01	VolvoData	Gothenburg	2120	MVS
BT01	VolvoData	Gothenburg	2120	VM
CT01	VolvodoBrazil	Curitiba,Brazil		
CT02	VolvodoBrazil	Curitiba,Brazil		
C101	VDNA	Greensboro,USA	VDNA	MVS
C102	VDNA	Greensboro,USA	VDNA	MVS
C401	VDNA	Greensboro,USA	VDNA	MVS
D101	VolvoDeutschland	Dietzenbach,D		
L101	VTC	Gothenburg	VTC	VM
L201	VTC	Lindesberg	VTC	OS/2
L301	VTC	Lindesberg	VTC	OS/2
NC01	NedCarBV	Helmond,NL	NCBV	MVS
NV01	VEDa,	Gent,B	VEDA	MVS
O101	VCC	Olofström	VOV	MVS
P101	VCC	Gothenburg	VCC	MVS
P201	Volvo Data/VCC	Gothenburg	2120	VM
P301	VCC/CAEcenter	Gothenburg		VM
P401	VCC to be replaced by V80Av	Gothenburg	VCC	OS/2
P601	VCC	Köping	VCC	OS/2
R101	VDNA	Greensboro,USA	VDNA	MVS
S1	Shared DASD VT,VD,V1,V6,BT,P2	Gothenburg	2120	
S2	Shared DASD V2,V4,V5,VK,BM,P1	Gothenburg	2120	
S3	Shared DASD C1,C4,R1	Greensboro	VDNA	
T101	VolvoFlygmotor	Trollhättan	VFA	MVS
T104	VolvoFlygmotor	Trollhättan	VFA	VM
U101	VTC	Umeå	VUV	VSE

jjcc	Owner/Customer	Location	Resp org	Opsys
U102	VTC	Umeå	VUV	VM
U103	VTC	Umeå	VUV	VSE
VA01	Volvo	Gothenburg	2120	VM
VC01	NedCarBV	Helmond,NL	NCBV	MVS
VD02	VolvoData	Gothenburg	2120	MVS
VE01	VolvoData	Eskilstuna	8600	OS/2
VF01	VolvoData	Gothenburg	2120	AS/400
VF03	VolvoData	Gothenburg	2120	AS/400
VF50	VolvoPenta	Vara		AS/400
VF51	VolvoPenta	Flen		AS/400
VK01	VolvoData	Gothenburg	2120	MVS
VL01	VolvoData	Köping	8800	OS/2
VM01	VolvoData	Gothenburg	2120	VM/ESA
VS02	VolvoData	Gothenburg	??	OS/2
VT01	VolvoData/Test	Gothenburg	2120	MVS
VT02	VolvoData/Test	Gothenburg	2510	MVS
V101	VolvoData	Gothenburg	2120	MVS
V102	VolvoData	Gothenburg	2120	MVS
V201	VolvoData	Gothenburg	2120	MVS
V202	VolvoData	Gothenburg	2120	MVS
V401	VolvoData	Gothenburg	2120	MVS
V501	VolvoData	Gothenburg	2120	MVS
V601	VolvoData	Gothenburg	2120	MVS
V801	VolvoData/LECS	Gothenburg	2520	OS/2
V802	VolvoData/LECS	Gothenburg	2520	OS/2
V803	VolvoData/LECS	Gothenburg	2520	OS/2
V804	VolvoData/LECS	Gothenburg	2520	OS/2
V805	VolvoData/LECS	Gothenburg	2520	OS/2
V806	VolvoData/LECS	Gothenburg	2520	OS/2
V807	VolvoData/LECS	Gothenburg	2520	OS/2
V808	VolvoData/LECS	Gothenburg	2520	OS/2
V809	VolvoData/LECS	Gothenburg	2520	OS/2
V80A	VolvoData/LECS	Gothenburg	2520	OS/2
V80B	VolvoData/LECS	Gothenburg	2520	OS/2
V80C	VolvoData/LECS	Gothenburg	2520	OS/2
V80D	VolvoData/LECS	Gothenburg	2520	OS/2
V80E	VolvoData/LECS	Gothenburg	2520	OS/2
V80F	VolvoData/LECS	Gothenburg	2520	OS/2
V80G	VolvoData/LECS	Gothenburg	2520	OS/2

jjcc	Owner/Customer	Location	Resp org	Opsys
VX01	VolvoData/LECS/Test	Gothenburg	2520	OS/2
X1	External/Ströde	Gothenburg	2510	Power

NJE/NJO resource designations.

A route-designation for EXECUTION is composed by ***NJEjj***

A route designation for Printouts is composed by ***NJOjj***

For central print at Volvo Data ***NJOCP*** is used.

In addition, the names NJO00001- designate a specific device within the network. A complete list can be obtained at Volvo-Data, dept 2170. It is not included in this paper, since it is frequently changed and very long.

Maintenance responsibility

uu	Responsible	Comments
F0	VD	Distribution and receiving libraries
F1	VD	Production libraries, MEXPACK std: linklist, production JCL for subsystems, standard procedures and standard C-lists.
F2		Test/Development libraries.
F3	VD	Volvo Data, Eskilstuna
F4	PVSV	Volvo CarCorp, Gothenburg
F5	VEDA	Volvo Europe Data, Gent, Belgium
F6	VD	Volvo Data, Skövde
F7	VD	Volvo Data, Köping
F8	VCNA	Volvo Data North America, Rockleigh, USA
F9	VDNA	Volvo Data North America, Greensboro, USA
FA	VFA	Volvo Flygmotor, Trollhättan
FB	VOV	Volvo CarCorp Olofströmsverken, Olofström
FC	VD	Gothenburg OP & Tech support
FD	NCBV	NedCar BV, Netherlands
FE	VMEEXC	VME Excavators

Subsystem/Serviceform identifiers

This section contains a list of major subsystems within the Volvo 370/390 systems and its associated abbreviation ('hh').

Subsystems/serviceforms at Volvo Data

hh	hhhh	Subsystem/service
AA	AAID	Abend Aid
AC		NETVIEW/AOC/MVS
AD		ADM/2120
AO		Automated Operations
AQ	STAI	Stairs.
AS		Applications System.
A4		AS/400
BM		Book Manager.
CA	CADM	CADAM (Computer Aided Design And Manufacturing)
CE	CID	C.I.D. Enabling (Config., Installation, Distr.)
CI	CICS	CICS, Customer Information Control System
CP		Capacity Planning.
CS		DCS.
CT	CAT	CATIA
DA		Data administration. (Datamanager)
DB		Data Base
DC		Network services.
DI	DISS	DISSOS, Document Interchange
DM		Datacom
DO	DIAL	Dialout
DP	DDP	Distributed Data Processing (HCF,DSX,etc)
DT	DTF	DTF.
DX		DXT
D2		DB2
ED		Education
EI		EDI
FA		File AID
GD		GDDM
HE	HELP	HELP
HS	HSM	Hierarchical Storage Manager
HW		Hardware.
IA		IDEAL
IB		IBM SE/CE
IC	IDMS	IDMS DC.

hh	hhhh	Subsystem/service
ID		IDMS Data Dictionary
ID	IDMS	IDMS DB/DC
IE		IEF
IL		Interlink
IM	ADF	Application Development Facility
IM	BTS	Batch Terminal Simulator
IM	DBRC	Data Base Recovery
IM	HSSR	High Speed Sequential Retrieval
IM	IMS	Information Management System. IMS DB/DC
IN	INFO	Information/System
JS	JCLS	JCL-split
LK		Leverantörs-Kommunikation
LO		LOOK
LX	LEXI	'User lexicon'
Mn		M0 to M9, reserved for Mexpack
MC	MICS	MVS Integrated Control System.
ME	MEMO	MEMO
MX		Mexpack
NC	NCP	Network Control Program (3705/3725 software)
NO	LNO	Lotus Notes
NP	NPM	Network Performance Monitor
NV	NV	Netview.
OC	OPC	Operating and Planning Control/OPC
OD		Odette
OM		Operations Methods
OR		Oracle
O2		OS/2 System Services
O4		OS/400 System Services
PC	CMS	VM/CMS
PD		Software Program Distribution
PR		Print
PU		Public libraries. Anyone may update.
PU	VPUB	Public - public function datasets/libraries
PW		Programmable Workstation
P1		PV speciale SLR
QC		Quality Control
RC		ROSCOE
RD		RMDS
RF	RACF	Resource Access and Control Facility/RACF
RM		Repository Manager.

hh	hhhh	Subsystem/service
RS	RSLV	RESOLVE
SC		Scientific calculation
SD		System Development Enviroment.
SE	SES	Session Control (Sesam)
SF	SDSF	Syslog Display and Search Facility
SH	SHAD	Shadow.
SM		Space management.
SM	DFUP	Data File Utility Program
SO	SOF	Secondary Operator Facility
SQ	SQL	SQL products (Enterprise Data Access/SQL)
ST		Standard products
SY		System Oriented products.
SY	JES2	Job Entry Subsystem
SY	MVS	Op sys and related software
SY	NJE	Network job entry
SY	NJO	Network job output
TB		Text and image
TC		Text products.
TD	TDL	Transport Datalink
TE		ADB-technique special.
TF		NETVIEW/TSCF
TI	TCP	TCP/IP
TS		Time Sharing products, base.
TS	TSO	Time Sharing Option
TT		Temporary Dataset
TX		Text Handling products.
UX		Software in MVS for UNIX Workstations
U1	ONE	UCC ONE (Tape Management System).
VA		Volvo Application (for PWS Applications)
VC		VCOM
VF	VMF	Volvo Measurement Facility
VI	VICS	Volvo Info Center System
VM	VM	VM
VT	VTAM	VTAM
XF	XFR	Filemon

This list is maintained by dep 2500 and updates to this list should be made in cooperation with dep 2500 (today MEMOID = VD.HH).

Dataset TYPE qualifiers

The most common TYPE qualifiers, depending on contents, are the following:

.ACBLIB	- Loadmodules ACB-IMS (IMSBU)
.ACFRULES	- ACF2-rules
.ACFRESOU	- ACF2-rules, resources ie. IMS-transactions
.ADFCPY	- ADF copytexts
.ADFRULES	- ADF RULE-source
.ADFHLA	- ADF HLA-source
.ADFMSGS	- ADF Message-source
.ADFPROF	- ADF Profile-source
.ADFSCRN	- ADF Screen-paint-source
.ADFPFK	- ADF PFK-source
.ADFEXIT	- ADF AEXIT-source
.ADMCDATA	- ICU-data
.ADMCDEF	- GDDM/ICU
.ADMCFORM	- ICU-formats
.ADMDECK	- GDDM/ICU
.ADMGDF	- GDDM/ICU
.ADMSYMBL	- GDDM/ICU
.ARCHDEF	- SCLM architecture HL- CC- och LC- definitions
.ASM	- Source Assembler,
.BASCPY	- BAS copytexts (VPCTEXT)
.BATCHLOG	- Logdataset for batchroutines
.BMPLIB	- JCL for BMP-jobs (can also be.JCL) (IMSBU)
.CLIST	- TSO CLISTs, subcommands and possibly REXX
.CNTL	- JCL and possibly SYSIN-cards
.COBOL	- Source COBOL
.COBOLCPY	- Source COBOL-copytexts
.COBOLSSA	- Source COBOL-SSA-copytexts
.COBOLLST	- SCLM output at build
.CONSTANT	- Constantinput to appl. system
.DATA	- Uppercase text, testdata
.DATACPY	- Copytexts for testdata generating (VPCTEXT)
.DBD	- Source for DL/I databasedescription
.DBDLIB	- Loadmodules DBD (IMSBU)
.DBRM	- DB2 DBRM
.DDL	- Database descriptions for DB2 (also see SQL)
.DGIGRP	- SDFII, panelgroups CICS
.DGIOCT	- SDFII, operator control tables
.DGIPNL	- SDFII, objekt, panels
.DGIPST	- SDFII, partioned set kod
.DGITBL	- SDFII, internal tables
.DCLGEN	- DB2 DCLGEN

.EPLUS	- Source EPLUS program
.EPLUSCPY	- Source EPLUS-copytexter gemensamma
.ESSDATA	- ESS data
.ESSDEF	- ESS definitions
.ESSMAC	- ESS macros
.EXEC	- REXX-program only.
.FILES	- APL2 files library (VSAM)
.FMTLIB	- Loadmodules MFS (IMSBU)
.FORMAT	- Source MFS (IMSBU)
.FORMTEXT	- Formated text without tags, ie. systemdok.
.FORT	- Source Fortran (G1 or H)
.FORTCPY	- Copytexts Fortran (G1 or H)
.GENLIB	- Macros for generating (IMS)
.GML	- GML-source ie. DTL
.HELP	- Help TSO-commands
.IC1NICK	- Nicknames IC/1
.INSTALL	- Installation of programproducts (data, JCL, dok.)
.JCL	- JCL (as .CNTL)
.JOBLIB	- JCL (job) for batch-production
.LINKLIB	- Loadmodules in LNKLST Volvo Data modules
.LINKLIST	- Output from linkage editor
.LIST	- List output
.LOAD	- Loadmodules (appl. program)
.LOADLIST	- List from loader (iemblst)
.LPALIB	- Loadmodules i LPA or ELPA
.MACLIB	- Assemblermacros
.MAP	- Source CICS-maps
.MAPLOAD	- Loadmodules CICS-maps
.MSGS	- ISPF messeages
.OBJ	- Objectmodules
.PANELS	- Source ISPF-panels and compiled panels
.PARMLIB	- parameterdata
.PASCAL	- Source Pascal
.PGMLIB	- Loadmodules IMS/Online-program (IMSBU)
.PLI	- Source PL/I
.PLICPY	- Copytext-Source PL/I
.PROCLIB	- Procedure libraries (JCL, CNTL)
.PROCSTC	- JCL-procedures for Started task's
.PROFILE	- Profile Library ISPF
.PROJLOG	- SCLM project log
.PSB	- Source for DL/I programspecificationblock,
.PSBLIB	- Loadmodules PSB (IMSBU)
.SAMPLIB	- Example Library
.SASDATA	- Data for SAS
.SASPGM	- Source SAS
.SASPROF	- Profile dataset SAS
.SKELS	- Source ISPF-sceleton
.SSACPY	- Copytexts (cobol) SSA only -lib support
.SQL	- SQL for test of SQL-code via SPUFI (see DDL)
.SUBRTNES	- Product subrutines for compiling languages k
.TABLES	- ISPF tables
.TEXT	- Text,both lower and uppercase with tags
.USER	- IC/1 User Info
.USERLIB	- Loadmodules, VD added to products
.VSBASIC	- Source VSBASIC.
.WKSPS	- APL2 workspace library (VSAM)

This information is an abstract from the Volvo Data "SYSTEMS HANDBOOK". All future updates will be made in the handbook only.

Appendix B. Activity plan

Near future actions

1	Define and document the MEXPACK propagation process Identify where, when, by who and how different actions should be handled in the GGG MEXPACK process. Make a data model of the process.	GGG	2Q92.
2	Define and document the MEXPACK naming conventions Identify which standards we need, their relationships and definitions. Make a data model of relationships.	GGG	2Q92.
3	Create a database where the products and conventions are defined. Create a relational database where all common standard implemantations, product levels etc.. are defined.	VD	4Q92.
4	Define and use common SVCs. Identify differences and agree on future use. Then implement.	GGG	1Q92.
5	Define and use common EXITS. Identify differences and agree on future use. Then implement.	GGG	1Q92.
6	Define and use common USERMODS. Identify differences and agree on future use. Then implement.	GGG	1Q92.

7	Define a subset of common Jobclassed A subset of jobclasses should be identified and accepted as common to GGG.	GGG	4Q91.
8	Define a subset of common Output Classes A subset of Output Classes should be identified and accepted as common to GGG.	GGG	4Q91.
9	Install MEXPACK on ESA level in R1. Install MVS/ESA 3.1.3 in R1 environment. as common to GGG.	VDNA	W151
10	Convert C1 environment to MEXPACK. Convert to common GGG/MEXPACK in C1 environment.	VDNA	Q292
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Future enhancements to be considered

1 Define an alternative Jobcard

An alternative jobcard sould be defined without JES2 parms. The Jobclass should be replaced of some kind of service definition that could be resolved differently in the GGG installations according to local needs.

Appendix C. Items that has to be further discussed and agreed upon

This appendix describes the different issues that has to be further discussed, investigated and agreed upon.

Questions

Principles for Mandatory/Optional/Discontinued program products

- Can we have an ***Optional*** product concurrently with another product, for the same purpose, that is ***Mandatory***? i.e:
  - SDSF - IOF
  - SAR - RMDS
  - SAR - JMR/SMR
- Can we have two separate products for the same purpose as ***Optional***?

New products procedure

If one G wishes to install a new product, or replace an old, which should be the proper procedure to inform and to get an agreement that the product should be installed.

i.e. VD knows that the product RMF from IBM could be replaced by CMFMON from Boole&Babbage and gives us the same service as that used today to a better price.

How should we proceed?

Comments

Accounting Catalog

Should be common and protected by ACF2 (to be handled by the E&A Subproject).

DSMKRC515W .RC MODE WAS ON OR OFF ALREADY.
DSMMOM395I '.VERV1' LINE 10: .rc 1 off
DSMKRC515W .RC MODE WAS ON OR OFF ALREADY.
DSMMOM395I '.VRV1' LINE 10: .rc 1 on
DSMKDF474W FONT SAVE STACK EMPTY - DEFAULT ASSUMED.
DSMMOM395I '.DSMEHP' LINE 10: .pf
DSMBEG323I STARTING PASS 2 OF 2.
DSMKRC515W .RC MODE WAS ON OR OFF ALREADY.
DSMMOM395I '.VERV1' LINE 10: .rc 1 off
DSMKRC515W .RC MODE WAS ON OR OFF ALREADY.
DSMMOM395I '.VRV1' LINE 10: .rc 1 on
DSMKDF474W FONT SAVE STACK EMPTY - DEFAULT ASSUMED.
DSMMOM395I '.DSMEHP' LINE 10: .pf