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Subject: PROTOKOLL 94-02-28

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--- Received from VD.2510GI 031-667162 94-02-08 09.07  
-> VD.KR KJELL RASK +46-(0)31-667218 2510  
--- Received from VD.2510GI 031-667162 94-02-07 17.35  
SD95/Standardisering Produktutbud

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Anteckningar från delprojektmöte 94-02-07

Närvarande:

-> VD.VESNA	VESNA STAUBER 031-667098	2540
-> VD.GI	GUNNEL ISAKSSON	2510
-> VD.ALFERIC	ALF ERIC THUNBERG	2830

Frånvarande:

-> VD.HOLGER	HOLGER JOHNSON 031-667416 DA2S	2230
-> VD.TORSTEN	TORSTEN LUNDGREN	8020
-> VD.SÅB	SVEN-ÅKE BONDESSON, TEL 67485	2120

Kopia:

-> VD.HL	HÅKAN LÖVGREN	2802
-> VD.BIL	BJÖRN I LARSSON	2140
-> VD.2103HR	HÅKAN ROBERTSSON 031-667130	2103
-> VD.BENGT	BENGT RYDBERG TEL 669666	2510

Följande diskuterades:

1. Vesna lovar att skriva svar till dem som hört av sig med synpunkter och förslag i frågorna 11 och 12 i Produktbeställningsblanketten.  
Vi tar med förslagen i en bilaga till Projekteringsrapporten.
2. Vi har börjat skissa på slutrapporten. Se anvisningar från Håkan, plus medlem PROJRAPP i F1TEVT.SD95PP.TEXT. Alla är välkomna att bidra med synpunkter och text !
3. DM-möte torsdag 10/2. Alf pratar om ADCycle-produkterna. Vi bör presentera vad som ingår i PU094Q2-PU095Q1, samt kort info om vilka produkter som avvecklas (KBMS, IHF TOB, DOSRPG) och vilka modifikationer (parallella sessioner i VICS - resten är väl mera internt ?).  
Gunnel eller Håkan ?
4. Vi kom in på en diskussion om MEXPACK/GGG.  
Vi ser en konflikt mellan vårt direktiv som begränsar oss till MVS-miljöerna Göteborg och den praktiska verkligheten. Det är svårt att inte ta hänsyn till MEXPACK.  
Ett exempel är det (fåtal) standardprogram, som bör kunna avvecklas med hänvisning till FileAid. Men hur gör vi med MEX/GGG ? Flera alternativ finns:
  1. Vi tar bort koden och hänvisar till SD95.
  2. Vi behåller koden, men nedklassar till class=C, vilket betyder att vi inte behöver åtgärda ev. fel.  
(Dom kan ju alltid få en kopia av sourcen och fixa själva...)
  3. Vi fortsätter underhålla koden, och accepterar att det drar en del extra resurser, dvs MEXPACK får kosta en del resurser !

Som en fortsättning på ovanstående resonemang kom vi in på problemen med att MEX/GGG inte kör samma produkter som vi. Och inte på samma sätt som vi. Ofta följer man inte våra rekommendationer beträffande implementation av de nya nivåer vi skickar, och ofta

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ligger man kvar med t.o.m. mycket äldre versioner. Även nu, när vi med VI-projektet försökt städa och standardisera i alla miljöer känns det tyvärr fortfarande mycket osäkert hur hur vi ska kunna fortsätta med MEXPACK-leveranserna utan att äventyra kvaliteten på det vi levererar. Om vi ser till våra Delprojekt mål att bidra till minskade manresurser inom MVS-området, så känns denna problematik, som något som kraftigt verkar i motsatt riktning. Mera manresurser, fler speciallösningar, mera akutinsatser etc. etc.

5. Nästa möte:

Måndag 14/2 kl 13 i Akvariet.

h/Gunnel

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Subject: VT-Mexp 93-10-22

--- Received from VD.VESNA 031-667098 93-10-22 09.39  
-> VD.KR KJELL RASK +46-(0)31-667218 2510  
-> VD.EJ ELISABET JANSSON 2510

Hej,

nedan mitt förslag till svar till Mexpackarna.  
Jag känner mig inte nöjd med det här så ni måste hjälpa mig.  
Det är inte lätt att skriva för någon annan och det är precis  
den känslan jag har.

Sist finns anteckningarna från mötet i måndags. Det måste också  
skrivas om. Ni måste ge mig input till det.  
H/Vesna

BRA !

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Subject: VT-Mexp 93-10-22

Hello!

The realization of the VT-project has been decided by the steering committee the 10th september.

We have changed our suggestion of the Mexpack-rules to comply to your wishes and comments.  
(Compare to the VT-summary memo sent to you the 9th september).

I will in this memo comment on all the answers we have got from you. (~~Please, tell us if you agree with this or not.~~)  
Some of your comments were of pure Mexpack (not VT-project) aspects, but I have also included these answers below.  
Let us know if we have misunderstood any of your comments.

Our answers:

- For some of you it was a problem to receive Mexpack 4 times a year. Therefore, we have a new proposal, deliveries 2 times a year.  
-----  
We do think it is important that you implement these packages. These deliveries will contain the softwares that we have been running satisfactory at VD.
- Our intention is that the System Development-environment should have the same quality of contents and shipment as MVS-Mexpack.
- All information about product-version-release-node will be found using the tool Mexalett in VT01.
- We think that there is no need for a database with all pre- and co-requisites of dependent sw-version-releases. These requisites will be carefully planned in the SOFTPLAN-meetings. Mexpack will get the information from these meetings and will receive the same package upgrades.
- VILMA II will not be required for Mexpack.
- We believe that the documentation for implementing Mexpack will be improved since we intend to write all technical product-oriented documentation in english.  
This includes the modifications we have applied.  
VD will send all necessary documentation for the implementation.  
The rest of the documentation can be found in VT01.
- The Mexpack distribution (twice a year) will include MVS (IPL-tapes) and all the products changed in the 'SYS-pool'-packages since the last Mexpack distribution. This is the only way VD can guarantee that the mix of products-versions-releases can coexist.  
Note that all the products in the 'SYS-pool' will be distributed separately by each Mexpack responsible person.
- We are working for to implement node-independent indexes. For instance, SYS1.F1SY00.LINKLIB. This library should have the same contents in all sites/lpars.
- Please, give Elisabeth Jansson 2510 your requests about the name standard for the primary/alternate datasets, such as ACF2.  
She will handle this task.
- Our clean-up projects must of course be scheduled according

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Subject: VT-Mexp 93-10-22

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to manpower available at your sites. VD will help you as much as possible to handle these activities. A request for manpower will be sent to your managers shortly. We insists that these clean-up activities are necessary for high availability.

- VD will not require the 3390-3 device for the IPL-volume.
- All Mexpack sites gets copies today of the SMP targets (MVS) and will continously have copies of these.
- We have no plans now of sending you the source code. It is better to keep it in one place. Requests for changes can be made to VD.
- VD will send only the products that are included in Mexpack.

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Subject: VT-Mexp 93-10-22

Hej,

detta är anteckningar från VT/Mexpack mötet den 931018. Sist har jag bifogat Mexpack-reglerna. Säg till om jag har formulerat mig bristfälligt och ni vill ändra på något. Har jag glömt någonting?

Först gick vi igenom de synpunkter som KR har fått.

Vi bestämde att vi skulle kompromissa och gå med på 2 leveranser per år istället för 4 som vi sade tidigare. De två sista Mexpack-paketen ska vi supporta och då menar vi ställa upp vid problemhantering, ptf-påläggning etc.

Vi vill att alla Mexpack-installationer ska få samma paket (innehåll). Men frågan ställdes om vi ska vara kundorienterade och ta fram det som Mexpack vill ha (specialfall). Gäller det idag fastän det är utsagt?

Fortfarande är 2510 sammanhållande för att SYSPoolen skickas av resp ansvarig. Det innebär att alla program produkter som har ändrats sedan förra gången måste distribueras.

En annan kompromiss är att COPY-jobben ska exkludera de bibliotek som Mexpack kunderna inte kör. Det är bättre att Mexpack får ett bibliotek för mycket än ett för lite. Jämför med dagens sätt, 'copy by data set', som kan innebära att någonting inte kommer med.

Vi kan inte begära att Mexpack kunderna ska köpa 3390-3 packar. Vi backar på den här punkten.

Det kan bli problem att hinna leverera 0-nivån (plattformen innan första paketet) till Mexpack i januari. Dessutom finns det tvivel om att de tar in denna nivån.

2510 ska vara sammanhållande beträffande alla aktiviteter som rör VT-projektet och Mexpack. TS ska skicka memo till Cliff för att be dem allokeras mantid för genomförandet. Hur organiserar vi detta? GI kan hjälpa till?

Arbetsgången fortsättningsvis:

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- VS formulerar svaret till Mexpack i ett nytt memo. KR distribuerar det till samtliga. Ev. en ny remissrunda.
- När vi är överrens om reglerna, kallar VS (m h a KR) ihop Mexpack-ansvariga för en genomgång av och diskussion om de nya Mexpack-reglerna.
- VS ger BGTA i uppdrag att ta med Mexpack aspekter i delprojektet Ren ISPF. VDNA vill inte ha VILMA som ett krav.

H/Vesna

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Consequences on Mexpack after realization of the VT-project

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Generally the VT-rules should be applied on the Mexpack-rules.

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e.g.

- use Mexalett to confirm the implementation (the status of program products).

but there is an exception for Mexpack,  
- package upgrades will be distributed twice per year.

This means that all changes from previous time (the last distributed package upgrade) must be included.

Compulsary PRERQS for the VT-project

1. Realize the activities that the subprojects Standard programs and Dataset structure have generalized.

Shortly, this means implement new libraries (e.g. LINKLIB, F1TS\* etc) and to rename all SYS3 libraries (handled by VD) to SYS1.

2. Implement the last level of software before the first package.

This 'last level' means the level VD will have the 15/12 -93. VD's intention is to have all lpars at the same software level before the first package upgrade will be implemented. Then we will have a controlled environment and a unified level to start from.

Dept. 2510 will keep all these activities together.

Other news are

\* Dept. 2510 will initiate the Mexpack responsibilities, by memo, when the 'SYS'-pool packages should be distributed to Mexpack.

\* The IPL-volume will be a copy of the IPL-volume at VD but a separate COPY-EXCLUDE job will be run to delete the libraries the Mexpack customers don't use. This method is safe because it is a less problem to have one data set to much than a missing data set.

\* VD will support only the last two Mexpack-packages.

Information from the SOFTPLAN meetings will still be distributed to Mexpack. This gives Mexpack customers a possibility to plan and prepare for the next package upgrade that will be delivered.

Printed by: 2510 GUNNEL ISAKSSON 031-667162

Subject: MEXMEMO

93-10-22

This is an effort to summarize the activities that we would like you to fit into your work schedule for the first Quarter of 1994 with as high priority as possible.

The main reason for doing this is the VT project, which we have informed you about earlier. The needs for performing our work in a more standardized and efficient way have increased. And it has now resulted in the realization of the VT project. To be able to continue the deliveries of the MEXPACK product with high quality, we feel it necessary for you to adjust to some of our new principles and rules. Another reason is the fact that quite a lot of the SDSM (System Development/System Maintenance) Environment unfortunately have not been maintained in an acceptable way for the MEXPACK installations. And this is an excellent opportunity to tidy up among many old data sets !

UAD P&R DE  
P&R P&R DE L

ELIAS EJ  
KAS VONA !

We are aware that some of the instructions may demand quite a lot of time from you. Especially for the 'older' MEXPACK installations, since a lot of things and persons have affected the MEXPACK deliveries since the initial installation. Some instructions may require additional unique steps, and we may have overlooked or forgotten some things. We have made a rough time estimate of how much time we think you will have to spend on activities 1 thru 9 below, and we believe 4-6 weeks is a good estimation. Please do not hesitate to ask for help from us ! We will do our best to help you handle this in the best way.

We enclose a list of activities, which we hope you will be able to fit into your time schedule for the first Quarter of 1994.

We have also taken the opportunity to point out some other activities that we feel urgent for you to consider in your time schedule for 1994, even if they are not directly associated with the VT project.

For technical questions please contact your Mexpack Technical Responsible in dept 2510:

PVSV Elisabet Jansson, memoid: VD.EJ  
PVOV Olof Henningson, memoid: VD.OLOF  
VEDa Elisabet Jansson, memoid: VD.EJ  
VDNA Mats Vinnefors, memoid: VD.MV  
or Gunnel Isaksson, memoid: VD.GI

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Subject: MEXMEMO

93-10-22

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Summary of activities initiated via the VT project.

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1. Adjustment of those parts of your current System Development/ System Management Environment, that are part of the MEXPACK package (handled by VD). I.e. identification of local modifications to all F1-libraries and reorganization into local libraries. Information about this was sent to you in June (ref. Sub project standard programs within the VT-project, Part 2: F1TSxx.\* libraries + SYS3.F1STxx.PROCLIB) and in October (ref. Sub project standard programs within the VT project Part 3: Preparations for LINKLIB.)
2. Elimination of SYS3.F1TSxx.PPCMDLIB, which is performed in two steps:
  - 1.1 replacement with a small slimmed SYS3.F1TSxx.PPCMDLIB
  - 1.2 elimination of the library from lnklst after completion of steps 4 and 5 below.Information about this plus general information of some of the standard libraries were sent to you in May (ref. Sub project standard programs within the VT-project, Part 1: PPCMDLIB).
3. Isolation of all Panvalet modules into a separate SYS3.F1STxx.PAN.LINKLIB. Information has been sent by Richard Widegren dept 2830.
4. Distribution of new and standardized libraries SYS1.F1ST00.LINKLIB/SYS1.F1SY00.LINKLIB/SYS3.F1SMxx.LINKLIB. Information about this was sent to you in October (ref. Sub project standard programs within the VT project, Part 3: Preparations for LINKLIB.)
5. Distribution of new and standardized SYS1.F1STxx.PROCLIB + F1TSxx.PROD.\* libraries. Information about this was sent to you in June (ref. Sub project standard programs within the VT-project, Part 2: F1TSxx.\* libraries + SYS1.F1STxx.PROCLIB).
6. Elimination of libraries F1STxx.F253.LOAD and F1TSxx.LOADSERV. Information about this was included in the memo sent in June.
7. Rename of all data sets with high level qualifier SYS3 (handled by VD) to either SYS1 or other suitable high level qualifier. The main reason for doing this is to be able to let those data sets be managed by SMS in a multi cpu environment. But also to conform to IBM standards. Detailed information about this will be sent in December.
8. Implementation of the last levels of software before the first VT project Package. Detailed information about this will be sent in December.
9. Reorganization of libraries for VD standard clists etc. Elimination of high level qualifier F1TSxx, and merge with F1SDxx data sets. Detailed information about this will be sent in December.
10. Reorganization of proclib libraries for standard procedures distributed from VD. Detailed information about this will be sent in December.

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Subject: MEXMEMO 93-10-22

Time schedule:

<u>No</u>	<u>Activity</u>	<u>New data sets or information sent from VD</u>	<u>Requested completion</u>	<u>Sequence</u>
1.	Tidy up and reorganization into local libraries	1993-06-22	1993-12-31	Before 4.
2.	Installation of slimmed PPCMDLIB	1993-05-18	1993-12-31	Before 4.
3.	Isolation of Panvalet modules. F253.LOAD and SYS3.F1TSxx.PPCMDLIB.	1993-09-06	1993-12-31	Before 4.
4.	Installation of std program libraries.	1993-12-15	1994-03-31	
5.	Installation of new std procedures and new F1TSxx.PROD.* libraries.	1993-12-15	1994-03-31	After 4.
6.	Delete of F1TSxx.LOADSERV, F1STxx. F253.LOAD and SYS3.F1TSxx.PPCMDLIB.	1993-06-22	1994-03-31	After 5.
7.	Rename SYS3->SYS1.	1993-12-15	1994-03-31	After 4.
8.	Implementation of last sw level before new VT package.	1994-01-31	1994-03-31	After 7.
9.	Reorganization of VD clist etc. data sets.	1993-12-15	1994-03-31	After 7.
10.	Reorganization of VD standard procedure proclibs.	1993-12-15	1994-03-31	After 7.

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Subject: MEXMEMO 93-10-22

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Summary of other activites initiated from VD.

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1. Replacement of the standard product DFUP with other tools, according to information from Operation Methods, dept 2120.
2. Elimination of the old Bulk Data Transfer product, if still in use. Replace ASAP with Filemon.
3. Specific considerations due to new features in DFSORT R12. Please refer to announcement letter 'DFSORT R 12'.
4. Standardization of input and output classes, according to information from Operation Methods, dept 2120.
5. Standardization of IMS jcl - remove old dd cards for DBENQ etc., according to information from dept 2540.

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Subject: VT Project Rsp 93-10-11

--- Received from VDNA.BREW 919-279-2630 93-10-08 15.25  
 --- Received from VDNA.BREW 919-279-2630 93-10-08 14.40  
 -> VD.KR KJELL RASK +46-(0)31-667218 2510

Kjell,

One more item. The data communications software group at VDNA cannot afford to install just one mexpack a year. We must maintain currency so that we can maintain schedules for network automation and AOC/MVS. If we do not keep pace, we will have to install the network products separately which will be unproductive and untested.

/Brew

Kjell,

I understand that my comments did not make it into the "official response memo" to the VT Project. For the record, here is my response.

/Brew

1. I do not see VILMA II as an obstacle.
2. We cannot even do 2 mexpacks a year given our present relationships with our customers.
3. We must take responsibility for all software products (ie. IDMS) and systems that process SMF data, before we can dictate to the customer a mexpack schedule.
4. We should make plans to install products not supported by VD on the VT node rather than locally at VDNA. This would help facilitate a smooth implementation of mexpacks.

/Brew

--- Received from VDNA.FAY 919-279-2674 93-09-10 08.28

-> OPERSYS OperSys  
 -> MGRS MGRS  
 -> DATACOMM Datacomm

People,

Please look over the suggestions below and give me your feedback concerning VT-project recommendations. I need to respond to Volvo Data ASAP and I need your input.

I will consolidate comments and direct them through Kjell Rask at Volvo Data and copy you on the resulting VDNA comments. I am particularly concerned with areas that would impact VDNA and cause additional manpower requirements and/or project scheduling conflicts given the current non-Mexpack workload.

At first glance, the following issues are of concern:

- 1) a requirement for VILMAII..VDNA has no plans at the moment to use VILMAII
- 2) 4 MEXPACK distributions a year...VDNA has a problem installing 2 MEXPACK upgrades/year
- 3) Volvo Data will only support last two packages and given the DSLO situation VDNA must remain current with a supported Volvo Data environment.

If possible give me your responses by 9/13, noon.

Thanks for your cooperation,

Fay

--- Received from VD.KR +46-(0)31-667218

93-09-10 10.02

REKONSTRUKTION INVERSER VAD

RESERV TID ?

SYNUNKAD MED SERVICE-TID ?

3390 -> SKAPAR PROBLEM.

RIVAS BY IDA.

UCORAR 4 / JIR , SAKNAS

TYR DB2 , UCOM. / SAKNAS STÖD AV UD-PERS ?

VAD HÄNDER NÄR PDF,

FIX BEHÖVER VÄLJAS PÅ FÖR PU ?

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Subject: VT Comments 93-10-07

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--- Received from VDNA.CLIFF 919-279-2677 93-10-06 18.51
-> VD.KR KJELL RASK +46-(0)31-667218 2510
-> VDNA.FAY FAY T. DONAHUE 001068
-> VDNA.1068EAM ED MARTINEZ 001068

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Kjell,  
Below, Ed Martinez has summarized the comments from the technical staff at VDNA concerning the VT project. I would like to add a few comments from a different perspective.

I believe that the main objective of standardized work methods is very necessary in a complicated environment with many people working to make changes at the same time. This seems to be necessary to produce quality work in a consistent way.

However, it is not possible for VDNA to follow the "4 times a year" plan for MEXPACK distribution given the current manpower situation and existing cost pressures. VDNA supports 2 fairly complex environments which are not mirrored at VD and therefore require substantial testing prior to production implementation. IDMS presents a unique set of testing requirements. Also the combination of CICS/VSAM, CICS/DLI, CICS/DB2, IMS/DLI, and IMS/DB2 all sharing the same data bases in an environment that has no spare capacity, i.e, 100% utilization, puts a level of stress on the system components that VD has not experienced often.

In the past, VCNA found they had very good reliability with 1 update or distribution per year. VGHT found the same at once every 18 months. Presently, VDNA can find no benefits (profit) for Volvo in doing more frequent updates. John and I would like to recommend a once per year MEXPACK distribution produced by fewer people at a significant cost savings to Volvo. The extra personnel could be used for cost reduction and quality improvement projects.

Once again, it will not be possible for VDNA to do 4 MEXPACK implementations per year at any point in the near future. In fact, it is very difficult to produce even one per year. All work on GGG has stopped at VDNA until next year because of customer imposed priorities and cost constraints.

I support the majority of the recommendations in the VT project and hope you are able to go forward with an emphasis on making MEXPACK distribution and related areas work well for all Volvo GGG sites.

Best regards, Cliff

Hello Kjell,

Here are the VDNA comments I promised. We are very supportive of the VT Project. However, we do have some concerns.

VDNA comments on VT PROJECT

- Proposed Mexpack delivery schedule is not feasible at VDNA. ONCE a year would be sufficient at most two deliveries. ✓
- VIILMA II should not be required at Mexpack sites! *one (received by VIILMA II) down/mexpack VIILMA II*
- Provide complete set of documentation through Mexalet for Mexpack releases. *instructions*

*instructions*  
*MSB 10-10, BLEN, VDI*

*2510*

*over COST 2*

*one (received by VIILMA II) down/mexpack VIILMA II*



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Subject: VT-Mexpack 93-10-12

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--- Received from VD.VESNA	031-667098	93-10-12 10.28
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-> VD.GI	GUNNEL ISAKSSON	2510
-> VD.OLOF	OLOF HENNINGSON	2510
-> VD.ULLAKARI	ULLA-KARIN GUSTAFSSON	2510

Hej,

jag har bokat rum 20 för en ny diskussion om VT-Mexpack. Vi har fått in en del synpunkter, bl a vill VDNA och VOV inte ha Mexpack 4 gg/år. VDNA vill endast ha de produkter de kör.

Bifogar det vi sa sist.

Hälsn/Vesna

VT-projektets konsekvenser på Mexpack.

Mexpack skall följa VT-projektets regler, bl a att

- implementera fyra gånger per år (samma paket som på VD)
- använda kvittensen i Mexalet efter implementation för att få rätt programproduktstatus.

Obligatoriska PREREQS

1. Genomföra aktiviteter enligt delproj. Standardprogram och Datasetsstruktur (bl a SYS3 ---> SYS1).
2. Implementera utgångsnivån inför det första paketet.

Andra förändringar är att 2510 triggar när 'SYS'-pool paketet skall distribueras till resp Mexpack kund. Detta görs via memo till de Mexpack-ansvariga som omfattas av paketet.

IPL-volymen blir en kopia av IPL-volymen på VD. Det innebär att 'copy by dataset' upphör och Mexpack kunderna får alla produkter och dataset som VD har. Dessutom kommer IPL-packen byggas för 3390-3 disk.

VD kommer att supporta endast de två senaste paketen.

Information från SOFTPLAN måste även fortsättningsvis gå ut till Mexpack.

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Subject: VT Project Rsp 93-10-11  
-----

Hello,

The VT-project will soon start the implementation phase.  
The result from the project will mean changes comparing to the way we work today.  
Our thought is to be more efficient and work in a better way in the future.  
The base principles with Mexpack is to copy what is build at Volvo Data.  
This will mean that the result also will give effects to you.  
But the improvements that we hope to create, should also give you improvements.

We want very much to have your comments on what we describe below, both positive and negative. We appreciate if you can give us your comments as soon as possible.

Regards Kjell

--- Received from VD.VESNA 031-667098 93-09-09 08.41  
-> VD.KR KJELL RASK +46-(0)31-667218 2510

Hello!

This memo is a summary of all ideas in the VT-project.  
In the bottom you'll find the consequences on Mexpack.

There have been some changes in the organization of the project since you got the first presentation in May.  
But this is how it looks now:

Projectleader Vesna Stauber  
Subprojectleaders

Bengt Rydberg, Test of hardware and software  
Elisabet Jansson, Dataset structure  
Olof Henningsson, Distribution  
Conny Blessner, Package and Implementation  
Perry Lundqvist, Documentation  
Thomas Svensson, Standard programs (already in realization phase)

The 10th september will the steeringcommittee decide if we shall continue with the realization of this project.

If you have any questions, please contact any of us or Kjell Rask.

Best regards,  
Vesna

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Subject: VT Project Rsp 93-10-11  
-----Background to the VT-project

The requirements of time force Volvo Data to

- \* work unitarily!!
- \* get more efficient!!

Today we have a number of problems, because every department/group have developed their own working methods. One example is the distribution of software for Mexpack. Today, this is done in different ways.

The main goal for the VT-project is to define the rules to the technicians working in the MVS environment.

The VT-project should also result in efficient software maintenance and rationalized working methods, e. g. rules for technical documentation, one tool for distribution, one testmethod, rationalized packing and review and documentation of our standard programs.

With this in mind, we are aiming to identify the VT01 as an 'original'-environment where ALL

- source should be.
- installation should be done.
- testning should be run.
- distribution should be done from.
- implementation should be done by the operation staff.
- documentation should be in english.

In the project we have used words as INSTALL, CUSTOMIZE, TEST, PROPAGATE: BUILD, DISTRIBUTE, IMPLEMENT.  
The meaning of these words can be found in the pds F1TEVT.COMMON.BASEDOC(TERMS).

Tomas Svensson 2500 is the commissioner of the project.

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TEST OF HARDWARE AND SOFTWARE

The motivation for introducing these rules is that the individual should have a common and uniform platform. People these days mainly act in accordance with unwritten laws. In addition, the demands on testing are increasing since we are concentrating on 4 propagations per year.

All testing of SW and HW shall be done in an environment (VT area), which is separated from the environment intended for production, before verification in production environment and production start.

All program products and all hardware shall therefore be available in the VT area. Products which can not be tested at VT shall follow the same procedure of test and verification, but in the corresponding manner in another environment. In the last instance, a borrowed production environment can be used.

In the VT environment, the basic rule is that those responsible for technology shall do their upgrades in VT02, as well as subsequent tests and propagation to production nodes.

Tests shall be coordinated for all products in accordance with a pre-determined schedule, along with other phases. This is described in the package and implementation sub-projects.

All documentation of test routines, test data, test jobs etc. shall be written in the Group Language, English. This is to facilitate work for the GGG centres.

AREAS to test and debug are:

- \* Starting and stopping products without using functions in the product.
- \* Function test, including utilities and education.
- \* Test of operation routines, including education.
- \* Coexistence with other products.
- \* Application tests

The level of tests shall be suited to the situation. LEVEL OF THOROUGHNESS (LOT) on testing in a test environment and LOT for verification on production start differ from each other in each individual case. LOT levels are :

- \* RUNABILITY TEST  
A simple test of the function in operation.
- \* SIMPLE FUNCTION TEST  
A simple function check by testing the functions
- \* EXTENDED FUNCTION TEST  
A comprehensive function test
- \* COMPLETE TEST  
Full function test

Please find a complete description of testing in DS F1PUVT.VT.TEXT(TESTS).

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-----Data set structureRename SYS3 data sets to SYS1

RATIONALE: It is Volvo Data's intention to use SMS for system data sets. SMS-handled data sets can only be cataloged in one catalog. There are one exception from this rule, and that is data sets whose names starts with SYS1. In single system environments there is no problem to convert the system data sets to SMS. In the environments where we share DASD, i.e. have several master catalogs, there is a problem with SYS3 data sets since they are cataloged in the master catalogs. To get a unified solution for all environments, the only way is to rename the SYS3 data sets to SYS1. The conclusions from the Mainframe 95 project will probably lead to shared DASD between more MVS systems than today. A side effect of the name change is that it will simplify the introduction of the VT-concept in production. New SYS1 data sets could be created and it will be easy to bring those in parallel with the old SYS3 data sets.

Introduce the option of node independent F-high level qualifiers

If the contents of a data set residing in different systems are exactly the same, i.e. node independent, the name of the data set should be the same in all environments.

Node independent high level qualifiers (HLQs) should be of the format:

Fxhh00     where Fx is company code  
              hh is subsystem/service form identifier  
              00 is a constant

The constant is there to make the HLQ six characters long. This will increase the readability of lists of data sets.

Generally, all code and modifications should be created in such a way as to avoid node dependencies. If this is not possible the node dependencies should be implemented in a way that will make it possible to use the same modules, clists, execs, etc.. in all nodes. That can be done using parameters, checking the SMF-id etc..

Versioning during installation

PRODUCTS ON THE IPL VOLUME: These products have SYS1 as high level qualifier. Versioning is accomplished by using different sysres volumes.

PRODUCTS OUTSIDE THE IPL VOLUME: These products are installed in data sets whose HLQs starts with F2. The second qualifier describes the product and the version. Versioning is accomplished by changing the version number.

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Versioning in production

PRODUCTS ON THE IPL VOLUME: IPL against a new volume.

PRODUCTS OUTSIDE THE IPL VOLUME: Alias names on data sets are used to access the current data sets. The names of the "real" data sets includes product and version. When a new version is brought into production the alias names are redefined to point to the new data sets. The alias names should conform to the standard for system data sets. The data sets should be SMS handled to obtain full functionality.

An alternative method that can be used if it is considered a more suitable, is to empty the data sets and copy in the new contents. The data set names should conform to the standard for system data sets.

Accounting extended to more qualifiers

Accounting on more qualifiers than just the high level qualifier is desirable. It would then be possible to separate SYS1 data sets and F1 data sets where several products have been grouped into the same HLQ. There would no longer be a need to create new HLQs just to be able to get separate accounting. This proposal is deferred to the Accounting project and to the Mainframe 95 project.

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## DISTRIBUTION

### CONDITIONS

Today we have no uniformed method of distributing products and data sets, except for the IPL-volume.

### SUMMARY

For ordinary products/data sets we suggest to use MEXALETT for distributions.  
MEXALETT must be upgraded.  
MEXALETT will also include Program Product Status (PPS).  
This is a new function in MEXALETT.

The IPL-volume is not included in this sort of distribution it will be done the usual way.

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## PACKAGE

### Conditions and background

The way we do product upgrades today does not involve the desired degree of planning and coordination between involved persons/departments. And in many cases product packaging is performed without informing or notifying the persons who are/might be involved.

The unnecessary and exaggerated part of maintenance workload for technical staff involved can be hopefully avoided by coordination and time-scheduling.

### Summary and Recommendations

We recommend 4 packaging events a year.

Those events will be decided in the fourth quarter of the year before.

We will only have two types of packaging, IPL-package and 'SYS-pool' package.

A product package will contain only those products which can/will be upgraded simultaneously.

The contents of packages will be decided by the SOFTPLAN meeting. This meeting will take place four times a year.

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## IMPLEMENTATION

### Conditions and background

A lot of upgrades are performed without a preceding change-request. It is not very clear which versions/releases are running in our different LPARS. Products aren't tested together. It's necessary to do the testing with right versions/releases together. In worst cases estimated time of implementation can be ten weeks.

### Summary and recommendations

We recommend 4 implementations a year.

Implementations to ALL production-LPARS will be done in periods of three weeks.

Every PRODUCT-responsible will document what is going on in the four different phases which are namely: PREPARE, CUTOVER, VERIFY and FALLBACK.

The rule of thumb in case of a failing implementation will be a fallback to the environment prior to the failing implementation.

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DOCUMENTATIONSummary of major principles

Sub project DOC covers technical-oriented, product-related documentation concerning 'central software' (MVS). It includes the phases in SW maintenance that we call installation, test, distribution and implementation. The handling of problems, changes and recovery actions after disaster are included, but not normal operation and error handling, nor operation or method handbooks.

1. A document, 'General standards for maintenance of central software (MVS) at Volvo Data' is the managing document for these tasks. This will be finally produced in the realize phase of the project, with contribution from all other sub projects.

The document is kept in a central library together with 'skeletons' for members in product specific libraries.

2. All documentation shall be kept in product libraries (type PDS), with a certain naming standard and following rules:
  - a. Each main or sub product has its own product library F2xxVT.zzzzzvrm.BASEDOC, where
    - xx = PID = (main) product identifier, also called 'service form identifier', e.g IM for IMS
    - zzzzz = SID = sub component identifier, i.e sub product identifier, (2-5 characters), e.g BTS for BTS, also exists for main product, e.g IMS
    - vrm = version/release/modification level
  - b. A new version of this is created at version/release upgrade (as new or copy of the older version)
  - c. Membername associates to 'information type' and 'level' in a virtual document including all information
  - d. Some members are numbered with seqno (updates, problems) or date (test reports etc)
  - e. The library contains detailed original documentation that can be
    - chosen for printing (separate or in a combined document)
    - copied at printing of 'external' document, e.g. handbooks
    - copied as part of product deliverance (MEXPACK)
    - referred to in all situations, e.g. in a Change Request but never to be copied and double stored!
  - f. All text shall be in english and contain DCF/GML tags. However, only a 'mini set' of GML is intended to be used.
  - g. All members start with a 'text identification box', that identifies member, product, responsible person and latest date of change.

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The box is automatically created with correct contents at library allocation. The intention is to use it as a kind of document mark wherever product information occurs.

3. All handling of this library shall be done by a VILMA2 based panel support, BASEDOC, with following characteristics:
  - a. creates a new library with 'skeletons' in members with the appropriate naming standard, or creates new version by copying old version library
  - b. simple selection possibilities (product/members)
  - c. 'memberlist' with DESCRIPTION field (not yet implemented)
  - d. simple way of doing print-outs etc

Recovery documentation will be specified during the realization phase of the project, in conjunction with another 'Volvo Data Continuity' project.

For more information refer to particularly chapter 2, Documentation, in the document described in point 1 above.  
This is available by VILMA2 function BASEDOC in VT01, option 14 (BROWSE) or 15 (PRINT).

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Consequences on Mexpack after realization of the VT-projectGenerally the VT-rules should be applied on Mexpack-rules,  
e.g.

- implement packages four times a year (same packages as at VD)
- use Mexalett to confirm the implementation (the status of program products)

## Compulsary PRERQS for the VT-project

1. Realize the activities that the subprojects Standard programs and Dataset structure have generalized.
2. Implement the last level of software before the first package.

## Other news are

- \* Dept. 2510 will initiate the Mexpack responsables, by memo, when the 'SYS'-pool package should be distributed to Mexpack.
- \* The IPL-volume will be a copy of the IPL-volume at VD. This means that the 'copy by dataset'-method will no more be used and the Mexpack customers will get all datasets VD has. The IPL-volume will also be build for a 3390-3 device.
- \* VD will support only the last two packages.

Information from the SOFTPLAN meetings will still be distributed to Mexpack.

-> VDNA.FAY	FAY T. DONAHUE	001068
-> VEDA.HF	HUBERT FRANCET FAX 09-2556082	07600
-> VD.VESNA	VESNA STAUBER 031-667098	2540
VDNA:		
-> VDNA.VERN	VERN CHANDA	001068
-> VDNA.EAM	ED MARTINEZ	001068
-> VDNA.DLJ	DENNIS JOEBGEN	001068
-> VDNA.TIMBOB	TIM PERKINS	001068
-> VD.MV	MATS VINNEFORS	2510
-> VDNA.KJC	KEN CARLE	001068
-> VDNA.CASEY	RONALD CASEY	001068
-> VDNA.CLIFF	CLIFFORD THOMPSON	001068
-> VDNA.BREW	BREWSTER EVANS	001068
-> VDNA.STEVE	STEVE MORONO	001068
-> VDNA.BALDWIN	WILLIAM G. BALDWIN	001068
-> VDNA.1068KB	KENT L BECRAFT	001068
-> VDNA.GEORGIA	GEORGIA PARSONS	001068
cc.		
-> VD.KR	KJELL RASK +46-(0)31-667218	2510

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Subject: VT/GGG notes 94-10-06

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--- Received from VD.VESNA 031-667098 93-05-12 13.22  
-> VD.GI GUNNEL ISAKSSON 2510  
Här är Huberts kommentar till protokollet.  
/Vesna

--- Received from VEDA.HF +32-91506060 93-05-11 11.03  
-> VD.VESNA VESNA STAUBER 031-667098 2540  
Hi Vesna,

This is a very good report indeed !

I missed 1 important point : The suggestion that VDG would use the same implementation of MEXPACK after 'trial' installations in production. The quality of mexpack-deliveries could than be evaluated by 2100-dept, to the same extent as VEDA and VDNA.

Thank's again for the useful an nice meeting days !

Very best regards from  
/Hubert

Hello!  
Here are some notes from our VT/GGG discussions.  
If you find something you don't agree with, please let me know.

Regards,  
Vesna  
cc

-> VDNA.FAY	FAY T. DONAHUE	001068
-> VEDA.HF	HUBERT FRANCET FAX 091-515901	07600
-> VEDA.WC	WIM CLEMENT FAX=515901	07600
-> VD.KR	KJELL RASK +46-(0)31-667218	2510

The schedule was:

3rd may, room 21

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09.00	Analysis and design directive	Vesna S
10.00	CBIPO Distribution	Olof H Olof H
12.00	Lunch	
13.00	Registration of the status of products Standard programs	Thomas S Thomas S
15.00	Documentation	Perry L

4th may, room 21

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09.00	Dataset structure	Elisabeth J
10.00	Testmethods	Vesna S

V O L V O  
Volvo Data Corp

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94-10-06

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12.00 Lunch

13.00 Package  
Implementation

Olof H  
Olof H

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Subject: VT/GGG notes 94-10-06

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Package/Implementation project.

We discussed our method to build their Mexpack-volume (ipl-volume).

Products outside the ipl-volume are to prefer if they come product by product instead of a whole package. They do not want to lose their flexibility in case of fallback.

-> VD.EJ	ELISABET JANSSON	2510
-> VD.OLOF	OLOF HENNINGSON	2510
-> VD.HOLGER	HOLGER JOHNSON 031-667416 DA2S	2230
-> VD.TSV	THOMAS SVENSSON	2830
-> VD.PPL	PERRY LUNDQVIST	2540
-> VD.CBL	CONNY BLESSNER	2120
-> VD.BENGT	BENGT RYDBERG TEL 669666	2510