

20170607 - MPD Release Notes

Finding Mercury	Rel.-Nr.	LI-Nr. Intern	Description	Distribution external intern	Comment
	V2.00.004	200004	*** MPD Fix (V2.00.004 20170607) ***		
fix	V2.00.004	200004.01	Problem if serial speed is missing an error occurs when the definition of the serial interface speed is missing. This problem was solved in this version.		
	V2.00.003	200003	*** MPD Fix (V2.00.003 20170527) ***		no distribution
new	V2.00.003	200003.02	OPI: LanguageCode correspond to ISO 639-2 possible In this version the LanguageCode can also be defined corresponding to ISO 639-2. Example: English: ISO 639-1 = "en" / ISO 639-2 = "eng"		
new	V2.00.003	200003.01	new configuration parameter "ForceDCC" introduced If the parameter "ForceDCC" is set, the terminal offers DCC, when the acquiring contacts are initialized.		
	V2.00.002	200002	*** MPD Fix (V2.00.002 20170309) ***		no distribution
	V2.00.001	200001	*** MPD Fix (V2.00.001 20170309) ***		
new	V2.00.001	200001.02	Error 408 driver busy, if there is an open task "Shift open / close" The Value "EFT_AMODE_AUTO_ACTIVATE" of the AutoMode Property was removed.	E	
new	V2.00.001	200001.01	SIXml 2.0 Terminal Protocol introduced	E	
	V2.00.000	200000	*** MPD Protocol Enhancement (V2.00.000 20161221) ***		
new	V2.00.000	200000.01	SIXml 1.0 Terminal Protocol introduced	E	
	V1.14.100	114100	*** finally release V1.14.100 ***	E	final version
	V1.14.015	114015	*** MPD Fix (V1.14.015 20170825) ***		
fix	V1.14.015	114015	IFSF / EPS: no transaction after abort or commit (false) No new transaction could be started after a transaction abort or commit (false). This problem was solved in this version.	E	
	V1.14.014	114014	*** MPD Fix (V1.14.014 20170807) ***		
fix	V1.14.014	114014.01	OPI: Referral transaction the tag <VoiceReferral> takes the reference number to authorize referred transactions		
	V1.14.013	114013	*** MPD Fix (V1.14.013 20170606) ***		
fix	V1.14.013	114013.01	Balance query of high amounts With this version, high amounts can be queried and displayed on the terminal. (format change: from Int32 to Int64)		
	V1.14.012	114012	in some situations a memory-access violation can occur. This Problem was solved in this version.		
new	V1.14.012	114012.03	OPI: LanguageCode correspond to ISO 639-2 possible In this version the LanguageCode can also be defined corresponding to ISO 639-2. Example: English: ISO 639-1 = "en" / ISO 639-2 = "eng"	E	
new	V1.14.012	114012.02	new configuration parameter "ForceDCC" introduced If the parameter "ForceDCC" is set, the terminal offers DCC, when the acquiring contacts are initialized.	E	
new	V1.14.012	114012.01	IFSF / EPS: operation phase "3" transaction can be committed The main reason for this option is to give the ECR a possibility to commit a committed transaction (operation phase = "3"). The ifsf transaction flow is therefore identical to the VEZP protocol.	E	
	V1.14.011	114011	*** MPD Fix (V1.14.011 2017xxxx) ***		
	V1.14.010	114010	*** MPD Fix (V1.14.010 2017xxxx) ***		controlled distribution
	V1.14.009	114009	*** MPD Fix (V1.14.009 20170322) ***		controlled distribution
new	V1.14.009	114009.01	OPI: PaymentRefund mit DCC OriginalDate MPD passes the original transaction date to the terminal	E	
	V1.14.008	114008	*** MPD New (V1.14.008 20170131) ***		
new	V1.14.008	114008.01	new Device Command for petrol Three device commands for petrol were added: "Setup Download", "Reboot Device" and "Diagnosis". The Diagnosis operation returns a terminal element representing the current state of the payment application on the EFT, including information about available applications.	E	
	V1.14.007	114007	*** MPD Fix (V1.14.007 20161117) ***		
	V1.14.006	114006	*** MPD Fix (V1.14.006 20161019) ***		
fix	V1.14.006	114006.02	Transaction Reservation DCC new: Reservation can be requested also in DCC	E	
fix	V1.14.006	114006.01	UPI: VPAY handelt as a card type Brand "VPAY" is handelt as a separate card type. Before the "VPAY" was combined with "VISA".	E	
	V1.14.005	114005	*** MPD Fix (V1.14.005 20160816) ***		
	V1.14.004	114004	*** MPD Fix (V1.14.004 20160712) ***		
	V1.14.003	114003	*** MPD Functionality Enhancement (V1.14.003 20160503) ***		
new	V1.14.003	114003.01	new petrol transaction flow with "option ProceedNeed" The main reason to use this option is to give the ECR a possibility to fill the Sale Items and ProductCodeScheme after the card was already inserted and the transaction is ongoing.	E	
	V1.14.002	114002	*** MPD Fix (V1.14.002 20160503) ***		
	V1.14.001	114001	*** MPD Fix (V1.14.001 20151210) ***		
	V1.14.000	114000	*** MPD Functionality Enhancement (V1.14.000 20151207) ***		
new	V1.14.000	114000.01	refer to MPD Manual	E	
	V1.12.100	112100	*** finally release V1.12.xxx (V1.12.100 planed) ***	E	planed final version

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	V1.12.019	112019	*** MPD Fix (V1.12.019 20170706) ***		no distribution
	V1.12.019	112019.01			
	V1.12.018	112018	*** MPD Fix (V1.12.018 20170527) ***		special publication
new	V1.12.018	112018.03	OPI: LanguageCode correspond to ISO 639-2 possible In this version the LanguageCode can also be defined corresponding to ISO 639-2. Example: English: ISO 639-1 = "en" / ISO 639-2 ="eng"		
new	V1.12.018	112018.02	new configuration parameter "ForceDCC" introduced If the parameter "ForceDCC" is set, the terminal always offers DCC if possible, despite dcc mode is set to noDCC		
new	V1.12.018	112018.01	IFSF / EPS: operation phase "3" transaction can be committed The main reason for this option is to give the ECR a possibility to commit a committed transaction (operation phase ="3"). The ifsf transaction flow is therefore identical to the VEZP protocol.		
	V1.12.017	112017	*** Special MPD (V1.12.017 20170220) ***		
spec.	V1.12.017	112017.01	Increased timeout for EFT status message to 30s after commit "This version is particular delivered only to SBB" With a waiting time of 10s, it can happen that customers are charged twice. The till starts a second transaction as the previous one was confirmed with committed-amount="0". If this version is used, the mpd is waiting 30s for the "final authorization" from the terminal.	E	
	V1.12.016		*** MPD Fix (V1.12.016 20170203) ***		no distribution
	V1.12.015		*** MPD Fix (V1.12.015 20170116) ***		
		112015.01	Changed the flow MPD commit and O.P.I. card service response if socket loss occurs during the transaction the O.P.I. card service response could not be sent after the commit was done. This lead to inconsistency in transaction state. The correction is to send the card service response first and commit only if successful.	E	
	V1.12.014		*** MPD Fix (V1.12.014 20160614) ***		
		112014.02	DCC total on Balance the DCC total calculated by the MPD was not correct, this has been fixed	E	
		112014.01	correct DCC disclaimer if partial approval for partial committed transaction the correct DCC disclaimer text provided by the terminal is used for the final receipt		
	V1.12.013		*** MPD Fix (V1.12.013 20160613) ***		
				E	
	V1.12.012	112012	*** Special MPD (V1.12.012 20160419) ***		special publication
spec.	V1.12.012	112012.01	Real card data, which the mpd receives from the cash register will be send to the terminal "This version is particularly delivered" If this version is used, the cash register is in PCI focus. The integrator is responsible that the PCI requirements are fulfilled.	I	
	V1.12.011	112011	*** MPD Fix (V1.12.011 20160419) ***		controlled distribution
fix	V1.12.011	112011.01	Numbers of installments not showing on "compact receipt format" Numbers of installments are not printing on the compact receipt fromat. This problem was solved in this version.	E	
	V1.12.010	112010	*** MPD Fix (V1.12.010 20160419) ***		controlled distribution
new	V1.12.010	112010.01	new configuration parameter "Pepper" introduced Pepper has a mixed receipt handling i.e. new and old. to be compatible with this behavior parameter value is 1 (/Pepper 1, Pepper="1"). This will solve the problem, that no merchant receipt is printed containing the signature line.	E	
fix	V1.12.010	112010.02	Connection Problem "exception code 101 data-link timeout" an error occurs during a shift open, when previously no connect request is called. This problem was solved in this version.	E	
	V1.12.009	112009	*** MPD Fix (V1.12.009 20150910) ***		
fix	V1.12.009	112009.01	O.P.I. problem with double transaction in some cases an OPI connection problem could lead to a double transaction. The connection management has been improved to solve this problem.		
	V1.12.008	112008	*** MPD Fix (V1.12.008 20150707) ***		controlled distribution
fix	V1.12.008	112008.01	OPI: fixed incorrect currency code in PaymentReversal if the currency is not CHF fixed	E	
new	V1.12.008	112008.02	OPI: POPID can be used to identify the terminal If the attribute POPID contains an eight-digit number this information identifies the TID	E	
new	V1.12.008	112008.03	new OPI option to hide the receipt for login and logoff /OPI 64	E	
new	V1.12.008	112008.04	new OPI option to hide the receipt reconciliation with closure /OPI 128	E	
fix	V1.12.008	112008.05	device handling optimized in some cases it has happened that an error 101 has been generated in case of a device was correctly associated. An optimized device handling should solve this problem.	E	
new	V1.12.008	112008.06	Receipt: AcqID and ep2 Static Key PAN Receipt Index added to the merchant receipt	E	
fix	V1.12.008	112008.07	Double occurrence of EPF data in the ReceiptText if width < 33 fixed	E	
	V1.12.007	112007	*** MPD Fix (V1.12.007 20141030) ***		controlled distribution
fix	V1.12.007	112007.01	Problem with signature solved signature line and ReceiptSignatureFlag were not set correctly	E	
new	V1.12.007	112007.02	new OPI option for peristente connection to the printer device /OPI 32	E	
	V1.12.006	112006	*** MPD Fix (V1.12.006 20141015) ***		controlled distribution
fix	V1.12.006	112006.01	Two phases DCC generates an error 307 (invalid state) error 307 occurs when the DCC-Transaction is done in two phases. This problem was solved in this version.	E	

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	V1.12.005	112005	*** MPD Fix (V1.12.005 20140709) ***		controlled distribution
fix	V1.12.005	112005.01	Double Operation the version V1.12.004 (only) contains the error that in a specific situation with future terminal software versions a double-operation is displayed. This has been corrected in this version.	E	
	V1.12.004	112004	*** MPD Fix (V1.12.004 20140610) ***		no distribution
fix	V1.12.004	112004.04	device handling optimized in some cases it has happened that an error 202 has been generated although the device was correctly associated. An optimized device handling solves this problem.	E	
fix	V1.12.004	112004.03	UPI after restarting the MPD always a login is required after restarting the MPD now the next transaction can be started without doing a login first that means the old state will be available for being able to start with the next transaction	E	
fix	V1.12.004	112004.02	UPI after the connection is lost, the device is not available anymore after the connection is lost, the device will be reconnected	E	
new	V1.12.004	112004.01	Abort the abort can also be used for device control method	E	
	V1.12.003	112003	*** MPD Fix (V1.12.003 20140403) ***		no distribution
fix	V1.12.003	112003.04	O.P.I. "printer not available" CardServiceRequest is successful only if the minimum required receipt can be printed	E	
fix	V1.12.003	112003.03	IFS: Some IFS topics optimized Timedout, automatic relogin, Ejectcard ...	E	
fix	V1.12.003	112003.02	DCC - Receipt width 24 the standard receipt width of 24, has lost the last position. This has been corrected in this release.	E	
fix	V1.12.003	112003.01	O.P.I. "reconciliation" and "reconciliation with closure" revised until now "reconciliation" and "reconciliation with closure" have made the same. New only "reconciliation with closure" makes a daily closing	E	
	V1.12.002	112002	*** MPD Fix (V1.12.002 20131011) ***		controlled distribution
fix	V1.12.002	112002.03	Incorrect format of YEN and WON in foreign currency transaction the exponent will be initialized with 0 for each transaction, so that there is a correct representation of currencies with the exponent 0 also in the absence of exponent in the transaction authorization.	E	
fix	V1.12.002	112002.02	Negative Receipt Problem "exception codes 602 limit exceeded" an error occurs when creating the negative receipt. This problem was solved in this version.	E	
new	V1.12.002	112002.01	New startup parameter (/ReceiptOptions) introduced the receiptoptions can be defined in the configuration file	E	
	V1.12.001	112001	*** MPD Fix (V1.12.001 20130311) ***		controlled distribution
new	V1.12.001	112001.01	Transactiontype Payment with Cashback Transactiontype Payment with Cashback extended for the SBB solution	E	
	V1.12.000	112000	*** MPD Functionality Enhancement (V1.12.000 20130204) ***		controlled distribution
new	V1.12.000	112000.01	refer to MPD Manual	E	
	V1.10.100	110014	*** finally release V1.10.014 ***	E	final version
	V1.10.014	110014	*** MPD New (V1.10.014 20130208) ***		controlled distribution
fix	V1.10.014	110014.02	O.P.I. "connection optimized" after loss of connection between mpd and the terminal, from the mpd it is resumed properly	E	
fix	V1.10.014	110014.01	MPDoverIP "broadcasting optimized" all device broadcasting only active if the parameter "/TID 0" is set	E	
	V1.10.013	110013	*** MPD New (V1.10.013 20121220) ***		controlled distribution
fix	V1.10.013	110013.01	O.P.I. problem with merchant receipt A transaction with merchant-receipt (new receipt handling / reversal / credit / ...) can generates an internal MPD error. This problem was solved in this version.	E	
	V1.10.012	110012	*** MPD New (V1.10.012 20121112) ***		controlled distribution
fix	V1.10.012	110012.01	Error 408 driver busy after restart of mpd fixed the problem that after restart of the mpd the error 408 occurred	E	
	V1.10.011	110011	*** MPD New (V1.10.011 20120904) ***		controlled distribution
fix	V1.10.011	110011.01	Sockethandling optimized Sockethandling between MPD and EFT optimized	E	
	V1.10.010	110010	*** MPD New (V1.10.010 20120709) ***		controlled distribution
fix	V1.10.010	110010.01	memory access violation in some situations a memory-access violation can occur. This Problem was solved in this version.	E	
	V1.10.009	110009	*** MPD New (V1.10.009 20120605) ***		no distribution
	V1.10.008	110008	*** MPD New (V1.10.008 20120604) ***		controlled distribution
fix	V1.10.008	110008.02	Receipt Problem "receipt-copy-count" A credit card transaction did not return receipt-copy-count = "2". This problem was solved in this version.	E	
fix	V1.10.008	110008.01	Release Device "optimized" After a release device sometime the device was not released. This problem was solved in this version.	E	
	V1.10.007	110007	*** MPD New (V1.10.007 20120313) ***		controlled distribution
new	V1.10.007	110007.01	"partial commit" DCC in case of a partial commit the modified dcc amount comes from the EFT	E	

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	V1.10.006	110006	*** MPD Fix (V1.10.006 20120224) ***		no distribution
fix	V1.10.006	110006.01	Error 408 driver busy fixed the problem that after reconnect of the ECR the error 408 occurred	E	
	V1.10.005	110005	*** MPD Fix (V1.10.005 20120123) ***		controlled distribution
fix	V1.10.005	110005.04	first command after restart generates the error 101 problem fixed	E	
fix	V1.10.005	110005.03	"partial commit" DCC in case of a partial commit the dcc amount is containing the correct partial dcc value	E	
fix	V1.10.005	110005.02	Wrong total in Daily Closing Counter wrong counter total fixed	E	
fix	V1.10.005	110005.01	Currencycode mismatch CZK currencycode mismatching CZK->CUP fixed	E	
	V1.10.004	110004	*** MPD Fix (V1.10.004 20111124) ***		controlled distribution
new	V1.10.004	110004.01	MPDoverIP "connection optimized" After a loss of connection between the EFT and MPD, the re-connection parameter is set completely new in the MPD.	E	
	V1.10.003	110003	*** MPD Fix (V1.10.003 20111116) ***	I	no distribution
	V1.10.002	110002	*** MPD Fix (V1.10.002 20110915) ***	I	no distribution
	V1.10.001	110001	*** MPD Fix (V1.10.001 20110727) ***	I	no distribution
	V1.10.000	110000	*** MPD Functionality Enhancement (V1.10.000 20110708) ***	I	no distribution
new	V1.10.000	110000.01	refer to MPD Manual	E	
	V1.08.100	108026	*** finally release V1.08.026 ***	E	final version
	V1.08.026	108026	*** MPD New (V1.08.026 20121213) ***		controlled distribution
fix	V1.08.026	108026.01	O.P.I. problem with merchant receipt A transaction with merchant-receipt (new receipt handling / reversal / credit / ...) can generates an internal MPD error. This problem was solved in this version.	E	
	V1.08.025	108025	*** MPD New (V1.08.025 20120828) ***	I	no distribution
	V1.08.024	108024	*** MPD New (V1.08.024 20120525) ***		controlled distribution
fix	V1.08.024	108024.02	Receipt Problem "receipt-copy-count" A credit card transaction did not return receipt-copy-count ="2". This problem was solved in this version.	E	
fix	V1.08.024	108024.01	Release Device "optimized" After a release device sometime the device was not released. This problem was solved in this version.	E	
	V1.08.023	108023	*** MPD rejected from QA (V1.08.023 20120513) ***	I	no distribution
	V1.08.022	108022	*** MPD New (V1.08.022 20120302) ***		controlled distribution
new	V1.08.022	108022.01	"partial commit" DCC in case of a partial commit the modified dcc amount comes from the EFT	E	
	V1.08.021	108021	*** MPD Fix (V1.08.021 20120123) ***		controlled distribution
fix	V1.08.021	108021.01	Currencycode mismatch CZK currencycode mismatching CZK->CUP fixed	E	
fix	V1.08.021	108021.02	Wrong total in Daily Closing Counter wrong counter total fixed	E	
fix	V1.08.021	108021.03	"partial commit" DCC in case of a partial commit the dcc amount are containing the correct value now	E	
	V1.08.020	108020	*** MPD Fix (V1.08.020 20111004) ***		controlled distribution
new	V1.08.020	108020.01	ECRId and Cashier ECRId and Cashier will be transfered to the EFT	I	
new	V1.08.020	108020.02	OPI Workstation ID the order to define the ECR ID is: Workstation -> POPID -> Default=1	I	
	V1.08.019	108019	*** MPD Fix (V1.08.019 20110512) ***		controlled distribution
fix	V1.08.019	108019.01	ECRId and Cashier valid range adapted to ep2 Property ECRId valid range extended from vez:1..9999 to ep2:1..999999 Property Cashier valid range extended from vez:1..9999 to ep2:1..99999999	E	
fix	V1.08.019	108019.02	MPDoverIP "destroy Problem" / MPD-Service MPDoverIP "destroy problem": connection-loss after a transaction MPD-service will be stopped during the shut down / MPD-service can start and stop with the MPD-client (Windows 7, 64bit)	E	
	V1.08.018	108018	*** MPD Fix (V1.08.018 20110503) ***		no distribution
fix	V1.08.018	108018.01	Log extended MPD Log extended for OeBB	I	
	V1.08.017	108017	*** MPD Fix (V1.08.017 20110318) ***		no distribution
fix	V1.08.017	108017.01	Connecting re-establishment between EFT and MPD optimized after connetion re-esablishment the EFT state will be actualized properly in the MPD	I	
	V1.08.016	108016	*** MPD Fix (V1.08.016 20110211) ***		no distribution
fix	V1.08.016	108016.01	MPDoverIP "distory Problem" / MPD-Service MPDoverIP "destroy problem": connection-loss after a transaction MPD-service will be stopped during the shut down / MPD-service can start and stop with the MPD-client (Windows 7, 64bit)	I	
	V1.08.015	108015	*** MPD Fix (V1.08.015 20101202) ***		no distribution

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fix	V1.08.015	108015.01	Socket handling the socket closing between ECR and MPD optimized, so that in special situation the socket will be closed properly	E	
	V1.08.014	108014	*** MPD Fix (V1.08.014 20101124) ***		no distribution
fix	V1.08.014	108014.01	new OPI Parameter for the selection of O.P.I. 1.2.1 protocol specification the startup parameter /OPI with the value 2 can be used. Example: /OPI 2	E	
	V1.08.013	108013	*** MPD Fix (V1.08.013 20101011) ***		no distribution
fix	V1.08.013	108013.01	O.P.I. problem with error handling problem corrected that in case of EFT communication problem with the host the mpd generates an error message	E	
	V1.08.012	108012	*** MPD Fix (V1.08.012 20100827) ***		controlled distribution
fix	V1.08.012	108012.01	O.P.I. Reversal Problem the Problem with O.P.I. reversal problem (errorcode 405) solved. It was not possible do revers a transaction using the protocol O.P.I.	E	
fix	V1.08.012	108012.02	Problem with unnecessary blank lines on receipt to save paper unnecessary blank lines were removed from the receipts (shift open and close, transaction and daily closing)	E	
	V1.08.011	108011	*** MPD Fix (V1.08.011 20100514) ***		no distribution
fix	V1.08.011	108011.01	SocketClosing on MPD-Client (CLOSE_WAIT) On MPD-Client side the connection to the MPD-Server will be closed properly.	E	
	V1.08.010	108010	*** MPD Fix (V1.08.010 20100511) ***		controlled distribution
fix	V1.08.010	108010.01	AutoMode = 0 In case that the ECR-Application sets the AutoMode to 0 the MPD had no automatic behaviour with the problem the the connection-state between EFT and MPD was not automatically actualized. in this version this problem will be solved.	E	
fix	V1.08.010	108010.02	Problem with technical receipts (eg. config, init) since introduction of the new receipt handling there was occasionally a problem with the technical receipts. This problem was solved in this version.	E	
	V1.08.009	108009	*** MPD Fix (V1.08.009 20100408) ***		no distribution
fix	V1.08.009	108009.01	DisableBroadcast Problem If the DisableBroadcast Property is set and the EFT is not connected with the ECR the MPD replies now on a ECR request.	E	
fix	V1.08.009	108009.02	Reversal with amount zero Problem The reversal transaction operate with the amount zero.	E	
	V1.08.008	108008	*** MPD Fix (V1.08.008 20091001) ***		controlled distribution
fix	V1.08.008	108008.01	Timer Problem MPD-Client Timerproblem solved. remark: when the ECR-system time synchronization happens during the transaction commit-phase (transaction completed) sometimes the MPD runs into a timer overload. The out coming event will be 803 (client session timeout).	E	
fix	V1.08.008	108008.02	Message Jam message jam in the MPD-Server due to loss of a byte during data transmission over rs232. This caused the error 101/401 for long duration	E	
fix	V1.08.008	108008.03	Timer Problem MPD-Client Timerproblem solved. remark: every 49,7 days an overflow of the timer variables caused an immediate system timeout during 12 minutes by the MPD-Client. In this situation the ECR was not able to start any operation	E	
fix	V1.08.008	108008.04	Vending Problem "Language Setting" If the last transaction is using a different language to the system default (e.g. Italian), then also the Closing-Receipt is in the wrong language (in this case Italian instead of the system language).	E	
fix	V1.08.008	108008.05	Timer Problem MPD-Server Timerproblem solved. remark: every 49,7 days an overflow of the timer variables caused a system overload during 10 minutes by the MPD (intensive writes to the log file)	E	
	V1.08.007	108007	*** MPD Fix (V1.08.007 20090702) ***		controlled distribution
fix	V1.08.007	108007.01	Restart Problem on Unix Systems fixed: the problem freeing the ip port when stopping the MPD solved. Now the MPD can be restarted immediately	E	
	V1.08.006	108006	*** MPD Fix and Functionality Enhancement (V1.08.006 20090606) ***		controlled distribution
fix	V1.08.006	108006.01	Vending Problem "Journal Access": the problem writing the journal file solved when the AutoMode property is set to EFT. AMODE_AUTOMAT	E	
new	V1.08.006	108006.02	CXI Protocol HandlingProc: the CXI Tag HandlingProc contains new the value of BrandID (IssuerNumber)	E	
	V1.08.005	108005	*** MPD Fix and Functionality Enhancement (V1.08.005 20090423) ***		controlled distribution
new	V1.08.005	108005.01	OPI: new Startup Parameter added (eg. /OPIServerPort and /OPIDevicePort)	E	
fix	V1.08.005	108005.02	Receipt structur problem: Occasionally receipt structures are not initialized correctly. This problem is fixed in this re.	E	
	V1.08.004	108004	*** MPD Fix (V1.08.004 20090416) ***		controlled distribution
fix	V1.08.004	108004.01	mobile Voucher: receipt format corrected	E	
fix	V1.08.004	108004.02	Act-Id: if available - Act-Id will be taken from the EFT terminal	E	

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	V1.08.003	108003	*** MPD Fix and Functionality Enhancement (V1.08.003 20090408) ***		controlled distribution
new	V1.08.003	108003.01	new TIP: new TIP ep2 V4.1.0 implemented	E	
new	V1.08.003	108003.02	MPD Gateway optimized: MPD Gateway optimized for EFT Softwaredownload	E	
fix	V1.08.003	108003.03	RefNumber: Refnumberhandling optimized (for OpenVEZ and Others)	E	
new	V1.08.003	108003.04	Receiptformat ep2 V5.0.0: new Receiptformat implemented Remark: old Receiptformat is still available	E	
	V1.08.002	108002	*** MPD Functionality Enhancement (V1.08.002 20080610) ***		no distribution
new	V1.08.002	108002.01	Mobile Couponing: new SIX Multi Solutions Mobile Couponing functionality implemented	E	
	V1.08.001	108001	*** MPD Functionality Enhancement (V1.08.001 20080603) ***		no distribution
new	V1.08.001	108001.01	GiftCard: new SIX Multi Solutions GiftCard functionality implemented	E	
	V1.08.000	108000	*** MPD Functionality Enhancement (V1.08.000 20080501) ***		controlled distribution
new	V1.08.000	108000.03	ExtraXML mode (e.g. RPT): application-specific data can be transmitted to eftpos	E	
new	V1.08.000	108000.02	new receipt handling: MPD generate a receipt for the cardholder as well as a receipt for the merchant	E	
new	V1.08.000	108000.01	CXI mode: cCredit eftpos terminals can be accessed by using the MPD api	E	
	V1.06.066	106066	*** finally release V1.06.066 ***	E	final version
	V1.06.066	106066	*** MPD New (V1.06.066 20120903) ***		controlled distribution
fix	V1.06.066	106066.01	Receipt Problem "receipt-copy-count" A credit card transaction did not return receipt-copy-count ="2". This problem was solved in this version.	E	
	V1.06.065	106065	*** MPD Fix (V1.06.065 20120410) ***		controlled distribution
new	V1.06.065	106065.01	logfile delete process changed instead of the file creation date the mpd use the filename as criterion	E	
	V1.06.064	106064	*** MPD Fix (V1.06.064 20120313) ***		no distribution
new	V1.06.064	106064.01	"partial commit" DCC in case of a partial commit the modified dcc amount comes from the EFT	E	
	V1.06.063	106063	*** MPD Fix (V1.06.063 20110512) ***		controlled distribution
fix	V1.06.063	106063.01	ECRId and Cashier valid range adapted to ep2 Property ECRId valid range extended from vez:1..9999 to ep2:1..999999 Property Cashier valid range extended from vez:1..9999 to ep2:1..99999999	E	
fix	V1.06.063	106063.02	MPDoverIP "destroy Problem" / MPD-Service MPDoverIP "destroy problem": connection-loss after a transaction MPD-service will be stopped during the shut down / MPD-service can start and stop with the MPD-client (Windows 7, 64bit)	E	
	V1.06.062	106062	*** MPD Fix (V1.06.062 20110211) ***		controlled distribution
	V1.06.061	106061	*** MPD Fix (V1.06.061 20101001) ***		no distribution
fix	V1.06.061	106061.01	DCC handling with YEN DCC handling with exponent 0 optimized	E	
	V1.06.060	106060	*** MPD Fix (V1.06.060 20100514) ***		controlled distribution
fix	V1.06.060	106060.01	SocketClosing on MPD-Client (CLOSE_WAIT) On MPD-Client side the connection to the MPD-Server will be closed properly.	E	
	V1.06.059	106059	*** MPD Fix (V1.06.059 20100511) ***		no distribution
fix	V1.06.059	106059.01	AutoMode = 0 In case that the ECR-Application sets the AutoMode to 0 the MPD had no automatic behaviour with the problem the the connection-state between EFT and MPD was not automatically actualized. in this version this problem will be solved.	E	
fix	V1.06.059	106059.02	Problem with technical receipts (eg. config, init) since introduction of the new receipt handling there was occasionally a problem with the technical receipts. This problem was solved in this version.	E	
	V1.06.058	106058			no distribution
fix	V1.06.058	106058.01	DisableBroadcast Problem If the DisableBroadcast Property is set and the EFT is not connected with the ECR the MPD replies now on a ECR request.	E	
fix	V1.06.058	106058.02	Reversal with amount zero Problem The reversal transaction operate with the amount zero.	E	
	V1.06.057	106057	*** MPD Fix (V1.06.057 20100202) ***		controlled distribution
new	V1.06.057	106057.01	Additional Languages The following additional languages are supported pl, hu, sl, hr, cs, sk and ro	E	
	V1.06.056	106056	*** MPD Fix (V1.06.056 20091228) ***		controlled distribution

Finding Mercury	Rel.-Nr.	Lf-Nr. Intern	Description	Distribution external intern	Comment
fix	V1.06.056	106056.01	Wireless network loss - MPD behaviour optimized After a network loss the MPD puts the EFT to the device-list without a request from the ECR application.	E	
	V1.06.055	106055	*** MPD Fix (V1.06.055 20091222) ***		no distribution
	V1.06.054	106054	*** MPD Fix (V1.06.054 20091207) ***		no distribution
fix	V1.06.054	106054.01	Problem Auto-Mode=0 and EFT-State=busy after EFT SW-Download fixed If the Auto-Mode Property is set to 0 the MPD handels the EFT busy state correct.	E	
	V1.06.053	106053	*** MPD Fix (V1.06.053 20091105) ***		no distribution
	V1.06.052	106052	*** MPD Fix (V1.06.052 20091023) ***		controlled distribution
fix	V1.06.052	106052.01	Card Event - EFTStatus behaviour optimized If the terminal is processing the brand restriction and a card is inserted the EFT status message will not be processed until the processing of the brand restriction is finished. remark: internal ref SIXACS7084	E	
new	V1.06.052	106052.02	TIP function on trx reserved: TIP function for reserved transaction type enabled	E	
fix	V1.06.052	106052.03	CASH Card Receipt: Problem with CASH Card receipt solved	E	
	V1.06.051	106051	*** MPD Fix (V1.06.051 20090924) ***		controlled distribution
fix	V1.06.051	106051.01	Timer Problem MPD-Client Timerproblem solved. remark: when the ECR-system time synchronization happens during the transaction commit-phase (transaction completed) sometimes the MPD runs into a timer overload. The out coming event will be 803 (client session timeout).	E	
	V1.06.050	106050	*** MPD Fix (V1.06.050 20090910) ***		controlled distribution
fix	V1.06.050	106050.01	Message Jam message jam in the MPD-Server due to loss of a byte during data transmission over rs232. This caused the error 101/401 for long duration	E	
fix	V1.06.050	106050.02	Timer Problem MPD-Client Timerproblem solved. remark: every 49,7 days an overflow of the timer variables caused an immediate system timeout during 12 minutes by the MPD-Client. In this situation the ECR was not able to start any operation	E	
	V1.06.042	106042	*** MPD Fix (V1.06.042 20090824) ***		controlled distribution
fix	V1.06.042	106042.01	Vending Problem "Language Setting" If the last transaction is using a different language to the system default (e.g. Italian), then also the Closing-Receipt is in the wrong language (in this case Italian instead of the system language).	E	
fix	V1.06.042	106042.02	Timer Problem MPD-Server Timerproblem solved. remark: every 49,7 days an overflow of the timer variables caused a system overload during 10 minutes by the MPD (intensive writes to the log file)	E	
new	V1.06.042	106042.03	maestro PAN length: Receipt PAN length for maestro extended to 19 characters	E	
	V1.06.041	106041	*** MPD Fix (V1.06.041 20090702) ***		controlled distribution
fix	V1.06.041	106041.01	Vending Problem "Journal Access" the problem writing the journal file solved when the AutoMode property is set to EFT_AMODE_AUTOMAT	E	
fix	V1.06.041	106041.02	Restart Problem on Unix Systems fixed: the problem freeing the ip port when stopping the MPD solved. Now the MPD can be restarted immediately	E	
fix	V1.06.041	106041.03	Vending Problem "Journal Access" the problem writing the journal file solved when the AutoMode property is set to EFT_AMODE_AUTOMAT	E	
	V1.06.040	106040	*** MPD Fix and Functionality Enhancement (V1.06.040 20090504) ***		controlled distribution
new	V1.06.040	106040.01	Open, Close Receipt: new possibility to suppress the ECR information	E	
fix	V1.06.040	106040.02	Reversal Receipt: double delimiter eliminated	E	
fix	V1.06.040	106040.03	Reversed amount examination: reversed amount is checked now as required and must be the same in the request to and in the response from the terminal.	E	
fix	V1.06.040	106040.04	Abort behavior optimized: an authorization message from the EFT will not be processed any more after the reception of an abort request from the client (ECR)	E	
	V1.06.039	106039	*** MPD Fix (V1.06.039 20090416) ***		controlled distribution
fix	V1.06.039	106039.01	mobile Voucher: receipt format corrected	E	
fix	V1.06.039	106039.02	Act-Id: if available - Act-Id will be taken from the EFT terminal	E	
	V1.06.038	106038	*** MPD Functionality Enhancement (V1.06.038 20090408) ***		controlled distribution

Finding Mercury	Rel.-Nr.	Lf-Nr. Intern	Description	Distribution external intern	Comment
new	V1.06.038	106038.01	new TIP: new TIP ep2 V4.1.0 implemented	E	
	V1.06.037	106037	*** MPD Fix (V1.06.037 20090323) ***		controlled distribution
fix	V1.06.037	106037.01	MPD Gateway optimized: MPD Gateway optimized for EFT Softwaredownload	E	
	V1.06.035	106035	*** MPD Functionality Enhancement (V1.06.035 20081118) ***		controlled distribution
new	V1.06.035	106035.01	new receipt handling: MPD generate a receipt for the cardholder as well as a receipt for the merchant	E	
new	V1.06.035	106035.02	Receiptformat ep2 V5.0.0: new Receiptformat implemented Remark: old Receiptformat is still available	E	
	V1.06.031	106031	*** MPD Fix (V1.06.031 20080603) ***		controlled distribution
fix	V1.06.031	106031.01	DCC problem with Russian rouble and Turkish lire: Problem with Russian rouble and Turkish lire fixed.	E	
	V1.06.000	106000	*** MPD Functionality Enhancement (V1.06.000 20070301) ***		controlled distribution
new	V1.06.000	106000.04	topup mobile voucher introduced: The transaction type TopUp extended with the features to use the Mobile Voucher of the eftpos. In this configuration the voucher is generated by the host.	E	
new	V1.06.000	106000.03	KESS Gateway: MPD extended with the possibility to communicate over the MPD by using the KESS protocol	E	
new	V1.06.000	106000.02	eftpos sharing: new possibility to make available an eftpos terminal to several ecrpos systems	E	
new	V1.06.000	106000.01	eftpos terminals can be connected with the MPD over the ethernet: this feature makes a geographical independence possible between ecrpos and MPD server	E	
	V1.04.007	104007	*** finally release V1.04.xxx (V1.04.009 20060922) ***	E	final version
	V1.04.000	104000	*** MPD Functionality Enhancement (V1.04.000 20060323) ***		controlled distribution
new	V1.04.000	104000.04	Vending features: The MPD ist supporting the new ep2 VENDING module	E	
new	V1.04.000	104000.03	DCC one phase mode: easier use of the DCC functionality	E	
new	V1.04.000	104000.02	Transaction type TopUp introduced: The transaction method extended with the transaction type TopUp. TopUp is for amount reloading used by mobile phones.	E	
new	V1.04.000	104000.01	new property MPDVersion: this property can be used for getting information about the MPD version	E	
	V1.02.007	102007	*** finally release V1.02.xxx (V1.02.007 20060223) ***	E	final version
	V1.02.007	102007.01	dirty SHIFT open receipt: before opening the shift the receipt buffer will be cleared	E	
	V1.02.006	102006	*** MPD Server fix (V1.02.006 20060120) ***		controlled distribution
fix	V1.02.006	102006.01	dirty SHIFT open receipt: before opening the shift the receipt buffer will be cleared	E	
	V1.02.005	102006	*** MPD Server fix (V1.02.005 20051117) ***		controlled distribution
fix	V1.02.005	102005.01	compatible with WIR: while opening the shift the MPD blocked because of the currency code CHW and CHE (WIR)	E	
	V1.02.004	102004	*** MPD Functionality Enhancement (V1.02.004 20051117) ***		controlled distribution
new	V1.02.004	102004.01	Property DCCOriginalDate introduced: MPD extended with the property DCCOriginalDate. The DCCOriginalDate can be used for the credit transaction function	E	
	V1.02.002	102002	*** MPD Server Enhancement (V1.02.002 20050930) ***		controlled distribution
new	V1.02.002	102002.01	configuration with XML introduced: introduced possibility of more than one device on MPD	E	
	V1.02.000	102000	*** MPD Functionality Enhancement (V1.02.000 20050906) ***		controlled distribution
new	V1.02.000	102000.02	DCC (direct currency conversion) introduced: The MPD is able to access the EFTPOS DCC functionality	E	
new	V1.02.000	102000.01	O.P.I. Protocol supported: On the ECRPOS side the MPD supports new the O.P.I. Protocol	E	