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[Identification]
  OptionType = NetTransport
[PlatformsSupported]
  ISA
  EISA
  "Jazz-Internal Bus"
[Options]
  RASPPTP
[FileConstants]
  InfName           = "OEMNXPPP.INF"
  UtilityInf       = "UTILITY.INF"
  ParamInf         = "NCPARAM.INF"
  subroutineinf    = "SUBROUTN.INF"
  SoftwareType     = "driver"
  Exit_Code        = 0
  NetEventDLL      = "%SystemRoot%\System32\netevent.dll"
  IoLogMsgDLL      = "%SystemRoot%\System32\IoLogMsg.dll"
  RASPPTPMsgDLL   = "%SystemRoot%\System32\raspptpl.dll;%SystemRoot%\
System32\netevent.dll"
  Manufacturer     = "Microsoft"
  ProductMajorVersion = "4"
  ProductMinorVersion = "0"
  ProductVersion   = "$(ProductMajorVersion)". "$(ProductMinorVersion)"
  ProductSoftwareName = "RASPPTPM"
  ProductSoftwareImagePath = "\SystemRoot\System32\drivers\RASPPTPM.sys"
  NetworkCardKeyName = $(!NTN_SoftwareBase)\Microsoft\Windows NT\
CurrentVersion\NetworkCards"
  ProductKeyBase   = $(!NTN_SoftwareBase)\ "$(Manufacturer)
NetRuleSoftwareType = "RASPPTPSys RASPPTPDriver"
NetRuleSoftwareUse = $(SoftwareType)
NetRuleSoftwareBindForm = ""RASPPTPSys"" yes no container"
NetRuleSoftwareClass = {"RASPPTPDriver basic"}
NetRuleSoftwareBindable = {"RASPPTPDriver RASPPTPAdapter non exclusive 100"}
ProductHardwareName = "RASPPTPM"
NetRuleHardwareBindForm = " yes yes container"
NetRuleHardwareRASPPTPType = "RASPPTP RASPPTPAdapter"
NetRuleHardwareRASPPTPClass = {"RASPPTPAdapter basic"}
BindableRASPPTPTxt = {"RASPPTPDriver RASPPTPAdapter non exclusive 100"}
ProductOpSupport = 134
ProductRASPPTPName = "RASPPTP"
ProductRASPPTPSvcType = "transport"
NetRuleRASPPTPClass = "classRaspptpTransport ""basic""
NetRuleRASPPTPType = "RaspptpTransport classRaspptpTransport"
NetRuleRASPPTPUse = "system"
TapiDevices = "TAPI DEVICES"
TapiDeviceKey = $(ProductHardwareName)
TapiMediaType = "VPN"
ProductKeyName = $(!NTN_SoftwareBase)\ "$(Manufacturer)"\ "+
$(ProductSoftwareName)\CurrentVersion"
ParamKeyName = $(!NTN_ServiceBase)\ "$(ProductHardwareName)+
"\Parameters"
ProductRASPPTPKeyName = $(!NTN_SoftwareBase)\ "$(Manufacturer)"\ "+
"RASPPTP\CurrentVersion"
LineType = 1
DebugFlags = 0
[SMANFileConstants]
PPTPPProductMajorVersion = "4"
PPTPPProductMinorVersion = "0"
PPTPPProductVersion = $(PPTPPProductMajorVersion)". "$

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(PPTPProductMinorVersion)
  PPTPProductSoftwareName           = "RASPPTPE"
  PPTPProductSoftwareImagePath      = "\SystemRoot\System32\drivers\RASPPTPE.sys"
  PPTPNetRuleSoftwareType           = "RASPPTPSys RASPPTPDriver"
  PPTPNetRuleSoftwareBindForm       = """"RASPPTPSys"" yes no container"
  PPTPNetRuleSoftwareClass          = {"RASPPTPDriver basic"}
  PPTPNetRuleSoftwareBindable      = {"RASPPTPDriver RASPPTPAdapter non exclusive
100"}
  PPTPProductHardwareName           = "RASPPTPE"
  PPTPNetRuleHardwareRASPPTPType    = "RASPPTP RASPPTPAdapter"
  PPTPNetRuleHardwareRASPPTPClass   = {"RASPPTPAdapter basic"}
  PPTPBindableRASPPTPTxt           = {"RASPPTPDriver RASPPTPAdapter non exclusive
100"}
  PPTPProductKeyName                = $(!NTN_SoftwareBase)"\"$(Manufacturer)"\"+
                                     $(PPTPProductSoftwareName)"\

CurrentVersion"
  PPTPParamKeyName                  = $(!NTN_ServiceBase)"\"$
(PPTPProductHardwareName)+
                                     "\Parameters"
  !PPTPFProductname                 = "RASPPTPF"
  !PPTPFProductImagePath            = "\SystemRoot\system32\drivers\raspptpf.sys"
  !RaspptpfKeyName                   = $(!NTN_ServiceBase)"\"$(!PPTPFProductname)

[GeneralConstants]
  from                               = ""
  to                                 = ""
  ExitCodeOk                         = 0
  ExitCodeCancel                     = 1
  ExitCodeFatal                      = 2
  KeyNull                             = ""
  MAXIMUM_ALLOWED                    = 33554432
  SERVICE_NO_CHANGE                  = 4294967295
  RegistryErrorIndex                 = NO_ERROR
  KeyProduct                          = ""
  KeyParameters                       = ""
  TRUE                                = 1
  FALSE                               = 0
  NoTitle                             = 0
  ExitState                           = "Active"
  OldVersionExisted                   = $(FALSE)
  DriverPath                          = $(!STF_NTPATH)\drivers

[Date]
  Now                                 = {} ? $(!LIBHANDLE) GetSystemDate

[Identify]
  Read-Syms Identification
  Set Status                          = STATUS_SUCCESSFUL
  Set Identifier                       = $(OptionType)
  Set Media                           = #("Source Media Descriptions", 1, 1)
  Return $(Status) $(Identifier) $(Media)

[ReturnOptions]
  Set Status                          = STATUS_FAILED
  Set OptionList                       = {}
  Set OptionTextList                  = {}
  Set LanguageList                    = ^(LanguagesSupported, 1)
  IfContains(i) $($0) in $(LanguageList)
    IfStr(i) $($1) == ""
      GoTo SetOptions
    EndIf
  Set PlatformList                    = ^(PlatformsSupported, 1)
  IfContains(i) $($1) in $(PlatformList)

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        GoTo SetOptions
    Else
        Set Status = STATUS_NOTSUPPORTED
        GoTo ExitReturnOptions
    EndIf
Else
    Set Status = STATUS_NOLANGUAGE
    GoTo ExitReturnOptions
EndIf
SetOptions = +
    Set OptionList      = ^(Options, 1)
    Set OptionTextList = ^(OptionsText$(($0)), 1)
    Set Status          = STATUS_SUCCESSFUL
ExitReturnOptions = +
    Return $(Status) $(OptionList) $(OptionTextList)
[InstallOption]
    Set Status      = STATUS_FAILED
    Set Option      = $(($1))
    Set SrcDir      = $(($2))
    Set RasDir      = $(($2))
    Set AddCopy     = $(($3))
    Set DoCopy      = $(($4))
    Set DoConfig    = $(($5))
    Set LanguageList = ^(LanguagesSupported, 1)
    IfContains(i) $(($0)) NOT-IN $(LanguageList)
        Return STATUS_NOLANGUAGE
    EndIf
    Set-Subst LF = "\n"
    Read-Syms GeneralConstants
    Read-Syms FileConstants
    Read-Syms DialogConstants$(!STF_LANGUAGE)
    Read-Syms SMANFileConstants
    IfStr(i) $(!NTN_Origination) == "NCPA"
        Set Continue = $(OK)
    EndIf
    Read-Syms FileConstants$(!STF_LANGUAGE)
    Detect Date
    Set-Title $(FunctionTitle)$(Option)
    Read-Syms SMANFileConstants$(!STF_LANGUAGE)
    Set to = Begin
    Set from = Begin
    Set CommonStatus = STATUS_SUCCESSFUL
    EndWait
Begin = +
    Set ActivateDetection = FALSE
    IfStr(i) $(!NTN_InstallMode) == deinstall
        Set StartLabel = RemoveAdapter
    Else-IfStr(i) $(!NTN_InstallMode) == Update
        Set StartLabel = UpgradeSoftware
    Else-IfStr(i) $(!NTN_InstallMode) == bind
        Set StartLabel = BindingAdapter
    Else-IfStr(i) $(!NTN_InstallMode) == configure
        Set StartLabel = ConfigureAdapter
        Set ActivateDetection = TRUE
        Set CommonStatus = STATUS_REBOOT
        IfStr(i) $(ProductKeyName) == $(!NTN_RegBase)
            Debug-Output $(InfName)": Cannot configure the EtherWORKS 3 driver
software."
            Shell $(UtilityInf),RegistryErrorString,CANNOT_CONFIGURE_SOFTWARE

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        IfInt $($ShellCode) != $(!SHELL_CODE_OK)
            Debug-Output $(InfName)": ShellCode error: cannot get an error
string."
            GoTo ShellCodeError
        EndIf
        Set Error = $($R0)
        Set from = end
        Set to = end
        GoTo NonFatalInfo
    EndIf
Else
    Set StartLabel = InstallAdapter
    Set ActivateDetection = TRUE
    Set OEM_ABANDON_OPTIONS = {}
    Set OEM_ABANDON_SOFTWARE = FALSE
    Set OEM_ABANDON_ON = TRUE
    Set OEM_ABANDON_PPTP_SOTWARE = FALSE
EndIf
Debug-Output $(InfName)": ====="
Debug-Output $(InfName)": STF_CWDIR is: "$(!STF_CWDIR)
Debug-Output $(InfName)": STF_LANGUAGE is: "$(!STF_LANGUAGE)
Debug-Output $(InfName)": Option is: "$(Option)
Debug-Output $(InfName)": !STF_NCDETECT is: "$(!STF_NCDETECT)
Debug-Output $(InfName)": !STF_NCOPTION is: "$(!STF_NCOPTION)
Debug-Output $(InfName)": !STF_NCDETCARD is: "$(!STF_NCDETCARD)
Debug-Output $(InfName)": !STF_NCDETFINFO is: "$(!STF_NCDETFINFO)
Debug-Output $(InfName)": ====="
Set DetectedCard = FALSE
IfStr(i) $(ActivateDetection) != TRUE
    GoTo $(StartLabel)
EndIf
Debug-Output $(InfName)": Calling Param_SetDefaults"
Shell $(ParamInf) Param_SetDefaults {}
IfStr(i) $(!STF_NCDETECT) == YES
    IfStr(i) $(!STF_NCOPTION) == $(Option)
        Set DetectedCard = TRUE
        Debug-Output $(InfName)": Setting DetectedCard to TRUE"
    EndIf
EndIf
Shell "" DebugConfiguration "After parameter querying"
Set from = FatalError
Set to = FatalError
GoTo $(StartLabel)
InstallAdapter = +
OpenRegKey $(!REG_H_LOCAL) "" $(ProductKeyName) $(MAXIMUM_ALLOWED) KeyProduct
IfStr $(KeyProduct) != $(KeyNull)
    CloseRegKey $(KeyProduct)
    IfStr(i) !(NTN_RegBase) == $(ProductKeyName)
        Shell $(UtilityInf), VerExistedDlg, $(ProductSoftwareTitle),+
            $(ProductVersion)
        IfInt $($ShellCode) != $(!SHELL_CODE_OK)
            Debug-Output $(InfName)": ShellCode error: cannot get an error
string."
            GoTo ShellCodeError
        EndIf
        GoTo end
    Else
        Shell $(UtilityInf), CardExistedDlg
        IfInt $($ShellCode) != $(!SHELL_CODE_OK)

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string."
        Debug-Output $(InfName)": ShellCode error: cannot get an error
        GoTo ShellCodeError
    EndIf
    IfStr(i) $($R1) != "OK"
        Set CommonStatus = STATUS_USERCANCEL
        GoTo end
    EndIf
    Set OldVersionExisted = $(TRUE)
EndIf
EndIf
Set CurrParamSettings = {}
IfStr(i) $(DetectedCard) != TRUE
    GoTo AdapterSetup
EndIf
StartWait
    Shell $(ParamInf) Param_QueryCard $(!STF_NCDETCARD)
EndWait
IfStr(i) $($R0) != STATUS_SUCCESSFUL
    GoTo AdapterSetup
EndIf
Set DetectedParams = $($R1)
Debug-Output $(InfName)": Calling Param_SetDefaults to merge detected params"
Shell $(ParamInf) Param_SetDefaults $(DetectedParams)
GoTo AdapterSetup
ConfigureAdapter = +
    Read-Syms InvokeConfigureDlg$(!STF_LANGUAGE)
    LoadLibrary "x" $(!STF_CWDDIR)raspptpc.dll RASPPTPDLGHANDLE
    Debug-Output $(InfName)": Getting info from GetChassisConfiguration"
    Debug-Output $(InfName)": NTN_InstallMode is "$(NTN_InstallMode)
    LibraryProcedure Result, $(RASPPTPDLGHANDLE), GetChassisConfiguration $(!
NTN_InstallMode)
    Set NumberOfLineDevices = *$(Result), 1)
    Set AdapterNum = *$(Result), 2)
    FreeLibrary $(RASPPTPDLGHANDLE)
    ifstr(i) $(NumberOfLineDevices) != "EXITSETUP"
        ifstr(i) $(NumberOfLineDevices) != "RASNOCHANGE"
            Shell "" UpdateAddressList $(NumberOfLineDevices) $(AdapterNum) $
(ProductSoftwareName) +
                                $(TapiMediaType)
                ifint $($ShellCode) != $(!SHELL_CODE_OK)
                    Debug-Output "Cannot update address list for RAS"
                    goto ShellCodeError
                endif
            endif
        Set CommonStatus = STATUS_SUCCESSFUL
    Else
        Set CommonStatus = STATUS_USERCANCEL
    EndIf
    goto end
AdapterSetup = +
    Shell "" DebugConfiguration "before Param_ParameterConfidence"
    Shell $(ParamInf) Param_ParameterConfidence
    IfStr(i) $($R0) != STATUS_SUCCESSFUL
        Debug-Output $(InfName)": parameter confidence too low to bypass
configuration"
        Shell "" DebugConfiguration "before AdapterOptions"
        GoTo AdapterOptions
    EndIf

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IfStr(i) $(DetectedCard) == TRUE
    IfStr(i) $(!STF_INSTALL_MODE) != CUSTOM
        Shell "" DebugConfiguration "before AdapterVerify"
        GoTo AdapterVerify
    EndIf
EndIf
AdapterOptions = +
Shell "" DebugConfiguration "inside AdapterOptions"
Read-Syms FileDependentDlg$(!STF_LANGUAGE)
AdapterVerify = +
Shell "" DebugConfiguration "inside AdapterVerify"
Shell "" DebugConfiguration "after running dialog"
IfStr(i) $(DetectedCard) != TRUE
    Shell $(ParamInf) Param_SaveValues
    Set NewParamSettings = $($R0)
    IfStr(i) $(CurrParamSettings) == {}
        Set DiffParamSettings = $(NewParamSettings)
    Else
        Shell $(ParamInf) Param_DiffValues $(CurrParamSettings)
        Set DiffParamSettings = $($R0)
    EndIf
    Debug-Output $(InfName)": Calling Param_VerifyResources"
    Shell $(ParamInf) Param_VerifyResources $(DiffParamSettings)
    IfStr(i) $($R0) == STATUS_SUCCESSFUL
        Debug-Output $(InfName)": Param_VerifyResources succeeded"
        GoTo SkipOptions
    EndIf
Else
    Set CardVerifyIndex = $(!STF_NCDETCARD)
    Debug-Output $(InfName)": Calling Param_VerifyCard"
    Shell $(ParamInf) Param_VerifyCard $(!STF_NCDETCARD)
    IfStr(i) $($R0) == STATUS_SUCCESSFUL
        Debug-Output $(InfName)": Param_VerifyCard succeeded"
        GoTo SkipOptions
    EndIf
EndIf
Set from = AdapterOptions
Set to = SkipOptions
Shell $(UtilityInf),RegistryErrorString,VERIFY_WARNING
IfInt $($ShellCode) != $(!SHELL_CODE_OK)
    Debug-Output $(InfName)": ShellCode error: cannot get an error string."
    GoTo ShellCodeError
EndIf
Set Error = $($R0)
GoTo WarningMsg
SkipOptions =+
IfInt $(OldVersionExisted) == $(TRUE)
    IfStr(i) $(!NTN_InstallMode) == configure
        GoTo WriteParameters
    EndIf
EndIf
StartWait
IfInt $(OldVersionExisted) == $(FALSE)
    IfStr(i) $(!NTN_InstallMode) == "install"
        IfStr(i) $(DoCopy) == "YES"
            Shell $(UtilityInf), DoAskSource, $(!STF_CWDDIR), $(SrcDir) YES
            IfInt $($ShellCode) != $(!SHELL_CODE_OK)
                GoTo ShellCodeError
            Else-IfStr(i) $($R0) == STATUS_FAILED

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        Shell $(UtilityInf) RegistryErrorString "ASK_SOURCE_FAIL"
        IfInt $($ShellCode) != $(!SHELL_CODE_OK)
            GoTo ShellCodeError
        EndIf
        Set Error = $($R0)
        GoTo FatalError
    Else-IfStr(i) $($R0) == STATUS_USERCANCEL
        GoTo SuccessfulOption
    EndIf
    Set SrcDir = $($R1)
EndIf
Install "Install-Option"
IfStr(i) $(STF_INSTALL_OUTCOME) != STF_SUCCESS
    Shell $(UtilityInf) RegistryErrorString "UNABLE_COPY_FILE"
    IfInt $($ShellCode) != $(!SHELL_CODE_OK)
        GoTo ShellCodeError
    EndIf
    Set Error = $($R0)
    GoTo FatalError
EndIf
Shell $(UtilityInf), InstallSoftwareProduct, $(Manufacturer),+
    $(ProductRASPPTPName), $(InfName)
ifint $($ShellCode) != $(!SHELL_CODE_OK)
    Debug-Output "InstallSoftware bombed out."
    goto ShellCodeError
endif
set RegistryErrorIndex = $($R0)
Ifstr(i) $(RegistryErrorIndex) != "NO_ERROR"
    Debug-Output "REGISTRY PROBLEM"
    CloseRegKey $($R1)
    CloseRegKey $($R2)
    goto FatalRegistry
endif
Set SoftProductKey    = $($R1)
Set SoftNetRuleKey   = $($R2)
set NewValueList = +
    {{Infname ,$(NoTitle),$(!REG_VT_SZ),$(InfName)},+
    {SoftwareType,$(NoTitle),$(!REG_VT_SZ),$(ProductRASPPTPSvcType)},+
    {Title,$(NoTitle),$(!REG_VT_SZ), $(ProductRASPPPTTitle)},+
    {Description,$(NoTitle),$(!REG_VT_SZ),$(ProductRASPPTPDescription)},+
    {OperationsSupport,$(NoTitle),$(!REG_VT_DWORD),$(ProductOpSupport)},+
    {MajorVersion,$(NoTitle),$(!REG_VT_DWORD),$(ProductMajorVersion)},+
    {MinorVersion,$(NoTitle),$(!REG_VT_DWORD),$(ProductMinorVersion)},+
    {InstallDate,$(NoTitle),$(!REG_VT_DWORD),*$(Now),1}}
Shell $(UtilityInf), AddValueList, $(SoftProductKey), $(NewValueList)
ifint $($ShellCode) != $(!SHELL_CODE_OK)
    CloseRegKey $(SoftProductKey)
    CloseRegKey $(SoftNetRuleKey)
    goto ShellCodeError
endif
set RegistryErrorIndex = $($R0)
CloseRegKey $(SoftProductKey)
Ifstr(i) $(RegistryErrorIndex) != "NO_ERROR"
    CloseRegKey $(SoftNetRuleKey)
    goto FatalRegistry
endif
set NewValueList = +
    {{class, $(NoTitle), $(!REG_VT_SZ), $(NetRuleRASPPTPClass)},+

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        {type,$(NoTitle),$(!REG_VT_SZ),$(NetRuleRASPPTPTType)},+
        {use,$(NoTitle),$(!REG_VT_SZ),$(NetRuleRASPPTPUse)}, +
        {InfOption,$(NoTitle),$(!REG_VT_SZ),$(Option)}, +
        {Infname ,$(NoTitle),$(!REG_VT_SZ),$(InfName)}}
Shell $(UtilityInf), AddValueList, $(SoftNetRuleKey), $(NewValueList)
ifint $($ShellCode) != $(!SHELL_CODE_OK)
    goto ShellCodeError
endif
set RegistryErrorIndex = $($R0)
CloseRegKey $(SoftNetRuleKey)
Ifstr(i) $(RegistryErrorIndex) != "NO_ERROR"
    goto FatalRegistry
endif
Shell $(UtilityInf), AddSoftwareComponent, $(Manufacturer), +
    $(ProductSoftwareName), +
    $(ProductSoftwareName), +
    $(ProductSoftwareTitle), $(STF_CONTEXTINFNAME), +
    $(ProductSoftwareImagePath), "kernelautostart", "NDIS", {}, "",+
    $(RASPPTPMsgDLL)
Set OEM_ABANDON_SOFTWARE = TRUE
IfInt $($ShellCode) != $(!SHELL_CODE_OK)
    Debug-Output $(InfName)": ShellCode error"
    GoTo ShellCodeError
EndIf
Set RegistryErrorIndex = $($R0)
Set KeyProduct = $($R1)
Set SoftNetRulesKey = $($R2)
CloseRegKey $($R3)
CloseRegKey $($R4)
CloseRegKey $($R5)
IfStr(i) $(RegistryErrorIndex) != NO_ERROR
    EndWait
    Debug-Output $(InfName)": Registry error: add software components"
    CloseRegKey $(KeyProduct)
    CloseRegKey $(SoftNetRulesKey)
    GoTo FatalRegistry
EndIf
Set NewValueList = {{SoftwareType,$(NoTitle),$(!REG_VT_SZ),$
(SoftwareType)},+
    {MajorVersion,$(NoTitle),$(!REG_VT_DWORD),$
(ProductMajorVersion)},+
    {MinorVersion,$(NoTitle),$(!REG_VT_DWORD),$
(ProductMinorVersion)},+
    {Title,$(NoTitle),$(!REG_VT_SZ),$
(ProductSoftwareTitle)},+
    {Description,$(NoTitle),$(!REG_VT_SZ),$
(ProductSoftwareDescription)},+
    {ServiceName,$(NoTitle),$(!REG_VT_SZ),$
(ProductSoftwareName)},+
    {InstallDate,$(NoTitle),$(!REG_VT_DWORD),*($Now),1}}
Shell $(UtilityInf), AddValueList, $(KeyProduct), $(NewValueList)
IfInt $($ShellCode) != $(!SHELL_CODE_OK)
    Debug-Output $(InfName)": ShellCode error."
    GoTo ShellCodeError
EndIf
Set RegistryErrorIndex = $($R0)
IfStr(i) $(RegistryErrorIndex) != NO_ERROR
    EndWait
    Debug-Output $(InfName)": Registry error: add value list."

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        CloseRegKey $(KeyProduct)
        CloseRegKey $(SoftNetRulesKey)
        GoTo FatalRegistry
    EndIf
    Set NewValueList = {{type,$(NoTitle),$(!REG_VT_SZ),$(NetRuleSoftwareType)},
+
        {use,$(NoTitle),$(!REG_VT_SZ),$(NetRuleSoftwareUse)}, +
        {bindform,$(NoTitle),$(!REG_VT_SZ),$
(NetRuleSoftwareBindForm)}, +
        {class,$(NoTitle),$(!REG_VT_MULTI_SZ),$
(NetRuleSoftwareClass)}, +
        {bindable,$(NoTitle),$(!REG_VT_MULTI_SZ),$(Bindable$
(Option)Txt)}, +
        {InfoOption,$(NoTitle),$(!REG_VT_SZ),$(Option)}}
    Shell $(UtilityInf), AddValueList, $(SoftNetRulesKey), $(NewValueList)
    IfInt $($ShellCode) != $(!SHELL_CODE_OK)
        Debug-Output $(InfName)": ShellCode error."
        GoTo ShellCodeError
    EndIf
    Set RegistryErrorIndex = $($R0)
    CloseRegKey $(KeyProduct)
    CloseRegKey $(SoftNetRulesKey)
    IfStr(i) $(RegistryErrorIndex) != NO_ERROR
        EndWait
        Debug-Output $(InfName)": Resgistry error: add value list."
        GoTo FatalRegistry
    EndIf
    Shell "" AddServiceDependency $(ProductSoftwareName) $
(PPTPProductSoftwareName)
    Shell $(UtilityInf), AddSoftwareComponent, $(Manufacturer), +
        $(PPTPProductSoftwareName), +
        $(PPTPProductSoftwareName), +
        $(PPTPProductSoftwareTitle), $(STF_CONTEXTINFNAME), +
        $(PPTPProductSoftwareImagePath), "kernelauto", "NDIS", {}, "", +
        $(RASPTPMsgDLL)
    Set OEM_ABANDON_PPTP_SOFTWARE = TRUE
    IfInt $($ShellCode) != $(!SHELL_CODE_OK)
        Debug-Output $(InfName)": ShellCode error"
        GoTo ShellCodeError
    EndIf
    Set RegistryErrorIndex = $($R0)
    Set PPTPKeyProduct = $($R1)
    Set PPTPSoftNetRulesKey = $($R2)
    CloseRegKey $($R3)
    CloseRegKey $($R4)
    CloseRegKey $($R5)
    IfStr(i) $(RegistryErrorIndex) != NO_ERROR
        EndWait
        Debug-Output $(InfName)": Registry error: add sman software components"
        CloseRegKey $(PPTPKeyProduct)
        CloseRegKey $(PPTPSoftNetRulesKey)
        GoTo FatalRegistry
    EndIf
    Set NewValueList = {{SoftwareType,$(NoTitle),$(!REG_VT_SZ),$
(SoftwareType)}, +
        {MajorVersion,$(NoTitle),$(!REG_VT_DWORD),$
(PPTPProductMajorVersion)}, +
        {MinorVersion,$(NoTitle),$(!REG_VT_DWORD),$
(PPTPProductMinorVersion)}, +

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                                {Title,$(NoTitle),$(!REG_VT_SZ),$
(PPTPProductSoftwareTitle)},+
                                {Description,$(NoTitle),$(!REG_VT_SZ),$
(PPTPProductSoftwareDescription)},+
                                {ServiceName,$(NoTitle),$(!REG_VT_SZ),$
(PPTPProductSoftwareName)},+
                                {InstallDate,$(NoTitle),$(!REG_VT_DWORD),*($(Now),1)}}
Shell $(UtilityInf), AddValueList, $(PPTPKeyProduct), $(NewValueList)
IfInt $($ShellCode) != $(!SHELL_CODE_OK)
    Debug-Output $(InfName)": ShellCode error."
    GoTo ShellCodeError
EndIf
Set RegistryErrorIndex = $($R0)
IfStr(i) $(RegistryErrorIndex) != NO_ERROR
    EndWait
    Debug-Output $(InfName)": Registry error: add value list."
    CloseRegKey $(PPTPKeyProduct)
    CloseRegKey $(PPTPSoftNetRulesKey)
    GoTo FatalRegistry
EndIf
Shell "" InstallRASPPPTPFDriver
ifint $($ShellCode) != $(!SHELL_CODE_OK)
    Debug-Output "Error shelling InstallRASPPPTPFDriver"
    goto ShellCodeError
endif
ifstr(i) $($R0) != STATUS_SUCCESSFUL
    Debug-Output "Error from InstallRASPPPTPFDriver"
    goto end
endif
EndIf
Shell $(UtilityInf), AddHardwareComponent, $(ProductHardwareName),$
(STF_CONTEXTINFNAME),$(ProductKeyName)
IfInt $($R4) != -1
    Set OEM_ABANDON_OPTIONS = >($(OEM_ABANDON_OPTIONS), $(!NTN_SoftwareBase)"\
Microsoft\Windows NT\CurrentVersion\NetworkCards\"$(R4))
EndIf
IfInt $($ShellCode) != $(!SHELL_CODE_OK)
    Debug-Output $(InfName)": Cannot add hardware component"
    GoTo ShellCodeError
EndIf
Set RegistryErrorIndex = $($R0)
IfStr(i) $(RegistryErrorIndex) != NO_ERROR
    EndWait
    Debug-Output $(InfName)": Registry error: add hardware component"
    CloseRegKey $($R1)
    CloseRegKey $($R2)
    CloseRegKey $($R3)
    GoTo FatalRegistry
EndIf
Set KeyParameters = $($R3)
Set KeyAdapterRules = $($R2)
Set AdapterNumber = $($R4)
Set NewValueList = {{Manufacturer,$(NoTitle),$(!REG_VT_SZ),$(Manufacturer)},+
                    {Title,$(NoTitle),$(!REG_VT_SZ),["$(R4)"] "$
(ProductHardware$(Option)Title)},+
                    {Description,$(NoTitle),$(!REG_VT_SZ),$(ProductHardware$
(Option)Description)},+
                    {ProductName,$(NoTitle),$(!REG_VT_SZ),$
(ProductHardwareName)},+

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        {ServiceName,$(NoTitle),$(!REG_VT_SZ),$(R5)},+
        {InstallDate,$(NoTitle),$(!REG_VT_DWORD),*$(Now),1},+
        {Hidden,$(NoTitle),$(!REG_VT_DWORD),1}}
Shell $(UtilityInf), AddValueList, $(R1), $(NewValueList)
IfInt $(ShellCode) != $(!SHELL_CODE_OK)
    Debug-Output $(InfName)": ShellCode error"
    GoTo ShellCodeError
EndIf
CloseRegKey $(R1)
Set TempProdName = """"$(ProductHardwareName)$$(AdapterNumber)""""
Set TempBindForm = $(TempProdName)$$(NetRuleHardwareBindForm)
Set NewValueList = {{type,$(NoTitle),$(!REG_VT_SZ),$(NetRuleHardware$
(Option)Type)},+
                    {bindform,$(NoTitle),$(!REG_VT_SZ),$(TempBindForm)}, +
                    {class,$(NoTitle),$(!REG_VT_MULTI_SZ),$(NetRuleHardware$
(Option)Class)}, +
                    {Infoption,$(NoTitle),$(!REG_VT_SZ),$(Option)}}}
Shell $(UtilityInf), AddValueList, $(KeyAdapterRules), $(NewValueList)
IfInt $(ShellCode) != $(!SHELL_CODE_OK)
    Debug-Output $(InfName)": ShellCode error."
    GoTo ShellCodeError
EndIf
Set RegistryErrorIndex = $(R0)
IfStr(i) $(RegistryErrorIndex) != NO_ERROR
    EndWait
    Debug-Output $(InfName)": Registry error: add value list."
    CloseRegKey $(KeyParameters)
    CloseRegKey $(KeyAdapterRules)
    GoTo FatalRegistry
EndIf
CloseRegKey $(KeyAdapterRules)
OpenRegKey $(!REG_H_LOCAL) "" $(ProductKeyName) $(MAXIMUM_ALLOWED) KeyProduct
IfStr $(KeyProduct) != $(KeyNull)
    SetRegValue $(KeyProduct) {NetCard,$(NoTitle),$(!REG_VT_DWORD),$
(AdapterNumber)}
    CloseRegKey $(KeyProduct)
EndIf
GoTo WriteParameters
WriteParameters = +
LoadLibrary "x" $(!STF_CWDDIR)raspptpc.dll RASPPTPDLGHANDLE
Debug-Output $(InfName)": Getting info from GetChassisConfiguration"
Debug-Output "!STF_UNATTENDED is "$( !STF_UNATTENDED)
Debug-Output "!STF_GUI_UNATTENDED is "$( !STF_GUI_UNATTENDED)
Debug-Output "!STF_UNATTENDED_SECTION is "$( !STF_UNATTENDED_SECTION)
LibraryProcedure Result, $(RASPPTPDLGHANDLE), GetChassisConfiguration $(!
NTN_InstallMode) +
                    $( !STF_GUI_UNATTENDED) $( !STF_UNATTENDED) $( !
STF_UNATTENDED_SECTION)
Debug-Output $(InfName)": Result value is :"$$(Result)
Set NumberOfLineDevices = *$(Result), 1)
FreeLibrary $(RASPPTPDLGHANDLE)
ifstr(i) $(NumberOfLineDevices) == "EXITSETUP"
    Read-Syms InvokeCancelDlg$( !STF_LANGUAGE)
    Debug-Output $(InfName)": GetChassisConfiguration User selected ExitSetup"
    Shell "subroutn.inf" SetupMessage, $( !STF_LANGUAGE), "STATUS", $
(InvokeCancelMsg)
    GoTo SetFailed
endif
Debug-Output $(InfName)": Number Of Line Devices are :"$$(NumberOfLineDevices)

```

```

Shell "" CreateFullTapiAddrList $(AdapterNumber)
ifint $($ShellCode) != $(!SHELL_CODE_OK)
    Debug-Output "Cannot create the TAPI address list"
    goto ShellCodeError
endif
Set FullTapiAddrList = $($R0)
Set TapiAddressList = {}
ForListDo $(FullTapiAddrList)
    Set CurListItem = $(AdapterNumber)"-"$($)"-0"
    Set CurListNumber = $(#)
    IfInt $(CurListNumber) <= $(NumberOfLineDevices)
        Set TapiAddressList = >$(TapiAddressList), $(CurListItem))
    Endif
EndForListDo
Debug-Output $(InfName)": Modified Tapi Address List is :"$$(TapiAddressList)
Set NewValueList = {+
    {AddressList,$(NoTitle),$(!REG_VT_MULTI_SZ),$(
(TapiAddressList))},+
    {DeviceName,$(NoTitle),$(!REG_VT_SZ),$(
(ProductHardwareName))},+
    {LineType,$(NoTitle),$(!REG_VT_DWORD),$(LineType)},+
    {MediaType,$(NoTitle),$(!REG_VT_SZ),$(TapiMediaType)},+
}
Shell $(UtilityInf), AddValueList, $(KeyParameters), $(NewValueList)
CloseRegKey $(KeyParameters)
IfInt $($ShellCode) != $(!SHELL_CODE_OK)
    Debug-Output $(InfName)": ShellCode error."
    GoTo ShellCodeError
EndIf
Set RegistryErrorIndex = $($R0)
IfStr(i) $(RegistryErrorIndex) != NO_ERROR
    Debug-Output $(InfName)": Registry error: Add value list"
    GoTo FatalRegistry
EndIf
IfStr(i) $(!NTN_InstallMode) == configure
    GoTo SuccessfulOption
EndIf
OpenRegKey $(!REG_H_LOCAL) "" "SYSTEM\CurrentControlSet\Services\TcpIp\
Parameters" $(MAXIMUM_ALLOWED) TcpKey
IfStr(i) $(TcpKey) != ""
    Debug-Output $(InfName)": setting tcpip\parameters\
PPTPTcpMaxDataRetransmissions to 9"
    SetRegValue $(TcpKey) {PPTPTcpMaxDataRetransmissions,$(NoTitle),$(!
REG_VT_DWORD), 9}
    CloseRegKey $(TcpKey)
Else
    Debug-Output $(InfName)": Registry error: can't open services\tcpip key"
EndIf
OpenRegKey $(!REG_H_LOCAL) "" "SOFTWARE\Microsoft" $(MAXIMUM_ALLOWED) BaseKey
shell "" HtCreateRegKey $(BaseKey) "TAPI DEVICES\RASPPTPM"
IfStr(i) $($R0) != NO_ERROR
    Debug-Output $(InfName)": Error creating registry key!"
    GoTo FatalRegistry
EndIf
Set TapiDeviceKey = $($R1)
Set NewValueList = {+
    {Address,$(NoTitle),$(!REG_VT_MULTI_SZ),$(TapiAddressList)},
+
    {"Media Type",$(NoTitle),$(!REG_VT_SZ),$(TapiMediaType)}}

```

```

Shell $(UtilityInf), AddValueList, $(TapiDeviceKey), $(NewValueList)
IfInt $($ShellCode) != $(!SHELL_CODE_OK)
    Debug-Output $(InfName)": ShellCode error."
    GoTo ShellCodeError
EndIf
Set RegistryErrorIndex = $($R0)
IfStr(i) $(RegistryErrorIndex) != NO_ERROR
    Debug-Output $(InfName)": Registry error: Add value list"
    GoTo FatalRegistry
EndIf
CloseRegKey $(TapiDeviceKey)
CloseRegKey $(BaseKey)
ifstr(i) $(!STF_INSTALL_MODE) == EXPRESS
    GoTo InstallRas
Else
    Shell "" InstallTCPIPIfNotInstalled $(SrcDir) $(AddCopy) $(DoCopy) $
(DoConfig)
    ifint $($ShellCode) != $(!SHELL_CODE_OK)
        Debug-Output "Cannot install TCP/IP if not already installed"
        goto ShellCodeError
    endif
    ifstr(i) $($R0) != STATUS_SUCCESSFUL
        Debug-Output "Error installing TCP/IP"
        set Error = "Error installing TCP/IP"
        goto FatalError
    endif
    Shell "" DebugGlobalFlags "After TCP/IP"
EndIf
InstallRas = +
ifstr(i) $(!STF_INSTALL_MODE) == EXPRESS
    GoTo SuccessfulOption
Else
    Read-Syms InvokeRasDlg$(!STF_LANGUAGE)
    Shell "oemnsvra.inf" CheckRasInstalled
    IfInt $($ShellCode) != $(!SHELL_CODE_OK)
        Debug-Output $(InfName)": Error Shelling the RAS INF file
oemnsvra.inf"
        Shell "subroutn.inf" SetupMessage, $(!STF_LANGUAGE), +
            "STATUS", $(InvokeRasError)
        IfInt $($ShellCode) != $(!SHELL_CODE_OK)
            GoTo ShellCodeError
        EndIf
        GoTo RASSetup
    EndIf
    Set RasInstalled = $($R0)
    Debug-Output $(InfName)": Is RAS Installed? "$(RasInstalled)
    IfStr(i) $(RasInstalled) == FALSE
        Shell "subroutn.inf" SetupMessage, $(!STF_LANGUAGE), "STATUS", +
            $(InvokeRasSetupMsg)
        IfInt $($ShellCode) != $(!SHELL_CODE_OK)
            GoTo RASSetup
        EndIf
    Else
        Shell "subroutn.inf" SetupMessage, $(!STF_LANGUAGE), "STATUS", +
            $(InvokeRasConfigMsg)
        IfInt $($ShellCode) != $(!SHELL_CODE_OK)
            GoTo RASSetup
        EndIf
    EndIf
EndIf

```

```

        EndWait
        GoTo RASSetup
    Endif
RASSetup =+
    Set AddCopy = YES
    Set DoCopy = YES
    Set DoConfig = YES
    IfStr(i) $(RasInstalled) == TRUE
        Set SaveNTN_InstallMode = $(!NTN_InstallMode)
        Set !NTN_InstallMode = configure
    EndIf
    Set PREV_SRCDIR = $(!STF_SRCDIR_OVERRIDE)
    Set !STF_SRCDIR_OVERRIDE = $(SrcDir)
    Shell "oemnsvra.inf" InstallOption $(!STF_LANGUAGE) "RAS" $(SrcDir) $(AddCopy)
$(DoCopy) $(DoConfig)
    set !STF_SRCDIR_OVERRIDE = $(PREV_SRCDIR)
    IfStr(i) $(RasInstalled) == TRUE
        Set !NTN_InstallMode = $(SaveNTN_InstallMode)
    EndIf
    IfInt $($ShellCode) != $(!SHELL_CODE_OK)
        Debug-Output $(InfName)": Error Shelling the RAS INF file oemnsvra.inf"
        Shell "subroutn.inf" SetupMessage, $(!STF_LANGUAGE), "STATUS", +
            $(InvokeRasError)
        IfInt $($ShellCode) != $(!SHELL_CODE_OK)
            GoTo ShellCodeError
        EndIf
        GoTo SuccessfulOption
    EndIf
    EndWait
    GoTo SuccessfulOption
BindingAdapter =+
    Set Error = "Binding: Sorry, not yet implemented."
    GoTo FatalError
RemoveAdapter = +
    OpenRegKey $(!REG_H_LOCAL) "" $(ProductKeyName) $(MAXIMUM_ALLOWED) KeyProduct
    IfStr $(KeyProduct) != $(KeyNull)
        GetRegValue $(KeyProduct),"NetCard", NetCardInfo
        Set NetCard = *$(NetCardInfo), 4)
        Shell $(UtilityInf), RemoveHardwareComponent, $(Manufacturer), +
            $(ProductSoftwareName), $(NetworkCardKeyName)"\"$(NetCard)
        IfInt $($ShellCode) != $(!SHELL_CODE_OK)
            Debug-Output $(InfName)": ShellCode error"
            GoTo ShellCodeError
        EndIf
        Set RegistryErrorIndex = $($R0)
        IfStr(i) $(RegistryErrorIndex) != NO_ERROR
            GoTo FatalRegistry
        EndIf
    EndIf
    EndIf
    Shell $(UtilityInf), RemoveSoftwareComponent, $(Manufacturer), +
        $(PPTPPProductSoftwareName)
    IfInt $($ShellCode) != $(!SHELL_CODE_OK)
        Debug-Output $(InfName)": ShellCode error"
        GoTo ShellCodeError
    EndIf
    Set RegistryErrorIndex = $($R0)
    IfStr(i) $(RegistryErrorIndex) != NO_ERROR
        GoTo FatalRegistry
    EndIf
EndIf

```

```

OpenRegKey $(!REG_H_LOCAL) "" $(ProductKeyBase) +
$(MAXIMUM_ALLOWED) ProductKey
Ifstr $(ProductKey) == $(KeyNull)
    Debug-Output "OEMNXPPP.INF: could not open Software product key"
else
    DeleteRegTree $(ProductKey) $(ProductRASPPTPName)
    CloseRegKey $(ProductKey)
endif
Shell "" RemoveRASPPTPFDriver
ifint $($ShellCode) != $(!SHELL_CODE_OK)
    Debug-Output "Error shelling RemoveRASPPTPFDriver"
    goto ShellCodeError
endif
ifstr(i) $($R0) != STATUS_SUCCESSFUL
    Debug-Output "Error from RemoveRASPPTPFDriver"
    goto end
endif
OpenRegKey $(!REG_H_LOCAL) "" "SOFTWARE\Microsoft\TAPI DEVICES" $
(MAXIMUM_ALLOWED) BaseKey
IfStr $(BaseKey) != $(KeyNull)
    DeleteRegTree $(BaseKey) $(ProductSoftwareName)
EndIf
OpenRegKey $(!REG_H_LOCAL) "" "SYSTEM\CurrentControlSet\Services\TcpIp\
Parameters" $(MAXIMUM_ALLOWED) TcpKey
IfStr(i) $(TcpKey) != ""
    Debug-Output $(InfName)": removing tcpip\parameters\
PPTPTcpMaxDataRetransmissions value"
    DeleteRegValue $(TcpKey) "PPTPTcpMaxDataRetransmissions"
    CloseRegKey $(TcpKey)
Else
    Debug-Output $(InfName)": Registry error: can't open services\tcpip key"
EndIf
Read-Syms InvokeRasDlg$(!STF_LANGUAGE)
Shell "oemnsvra.inf" CheckRasInstalled
IfInt $($ShellCode) != $(!SHELL_CODE_OK)
    Debug-Output $(InfName)": Error Shelling the RAS INF file oemnsvra.inf"
    Shell "subroutn.inf" SetupMessage, $(!STF_LANGUAGE), +
        "STATUS", $(InvokeRasError)
    IfInt $($ShellCode) != $(!SHELL_CODE_OK)
        GoTo ShellCodeError
    EndIf
    GoTo RASSetup2
EndIf
Set RasInstalled = $($R0)
Debug-Output $(InfName)": Is RAS Installed? "$(RasInstalled)
IfStr(i) $(RasInstalled) == FALSE
    goto end
Else
    Shell "subroutn.inf" SetupMessage, $(!STF_LANGUAGE), "STATUS", +
        $(InvokeRasConfigMsg2)
    IfInt $($ShellCode) != $(!SHELL_CODE_OK)
        GoTo RASSetup2
    EndIf
EndIf
EndWait
GoTo RASSetup2
RASSetup2 =+
Set AddCopy = NO
Set DoCopy = NO

```

```

Set DoConfig = NO
Set SaveNTN_InstallMode = $(!NTN_InstallMode)
Set !NTN_InstallMode = configure
Shell "oemnsvra.inf" InstallOption $(!STF_LANGUAGE) "RAS" $(SrcDir) $(AddCopy)
$(DoCopy) $(DoConfig)
Set !NTN_InstallMode = $(SaveNTN_InstallMode)
IfInt $($ShellCode) != $(!SHELL_CODE_OK)
    Debug-Output $(InfName)": Error Shelling the RAS INF file oemnsvra.inf"
    Shell "subroutn.inf" SetupMessage, $(!STF_LANGUAGE), "STATUS", +
        $(InvokeRasError)
    IfInt $($ShellCode) != $(!SHELL_CODE_OK)
        GoTo ShellCodeError
    EndIf
GoTo end
EndIf
GoTo end
UpgradeSoftware = +
    Debug-Output $(InfName)": comes into 1st part of upgrade"
    OpenRegKey $(!REG_H_LOCAL) "" $(ProductKeyName) $(MAXIMUM_ALLOWED)
KeyProduct
    IfStr $(KeyProduct) != $(KeyNull)
        GetRegValue $(KeyProduct), "MajorVersion", VersionInfo
        Set Version = *$(VersionInfo), 4)
        Shell $(UtilityInf), GetInfFileNameFromRegistry, $(KeyProduct)
        IfInt $($ShellCode) != $(!SHELL_CODE_OK)
            Debug-Output $(InfName)": ShellCode error"
            GoTo ShellCodeError
        EndIf
        Set !UG_Filename = $($R0)
        IfStr(i) $(!UG_Filename) != ""
            Debug-Output $(InfName)": starts to install"
            install "Install-Update"
            IfStr(i) $(STF_INSTALL_OUTCOME) != STF_SUCCESS
                GoTo FatalError
            EndIf
            LibraryProcedure Result, $(!LIBHANDLE), SetupChangeServiceConfig, $
(!PPTPFProductname) +
                $(SERVICE_NO_CHANGE), $
(SERVICE_NO_CHANGE), $(SERVICE_NO_CHANGE), +
                "", "TDI", "", "", "", ""
            EndIf
            SetRegValue $(KeyProduct) {MajorVersion,$(NoTitle),$(!REG_VT_DWORD),$
(ProductMajorVersion)}
            SetRegValue $(KeyProduct) {MinorVersion,$(NoTitle),$(!REG_VT_DWORD),$
(ProductMinorVersion)}
            IfInt $(Version) != $(ProductVersion)
                EndIf
            CloseRegKey $(KeyProduct)
        Else
            GoTo FatalRegistry
        EndIf
        Debug-Output $(InfName)": comes into PPTPE part of upgrade"
        OpenRegKey $(!REG_H_LOCAL) "" $(PPTPProductKeyName) $(MAXIMUM_ALLOWED)
PPTPKeyProduct
    IfStr $(PPTPKeyProduct) != $(KeyNull)
        SetRegValue $(PPTPKeyProduct) {MajorVersion,$(NoTitle),$(!
REG_VT_DWORD),$(PPTPProductMajorVersion)}
        SetRegValue $(PPTPKeyProduct) {MinorVersion,$(NoTitle),$(!
REG_VT_DWORD),$(PPTPProductMinorVersion)}

```



```

        CloseRegKey $(PPTPKeyProduct)
    Else
        GoTo FatalRegistry
    EndIf
    Debug-Output $(InfName)": comes into PPTP part of upgrade"
    OpenRegKey $(!REG_H_LOCAL) "" $(ProductRASPPTPKeyName) $(MAXIMUM_ALLOWED)
PPTPKeyProduct
    IfStr $(PPTPKeyProduct) != $(KeyNull)
        SetRegValue $(PPTPKeyProduct) {MajorVersion,$(NoTitle),$(!
REG_VT_DWORD),$(PPTPProductMajorVersion)}
        SetRegValue $(PPTPKeyProduct) {MinorVersion,$(NoTitle),$(!
REG_VT_DWORD),$(PPTPProductMinorVersion)}
        SetRegValue $(PPTPKeyProduct) {Description,$(NoTitle),$(!REG_VT_SZ),$(
(ProductRASPPTPDescription)}
        SetRegValue $(PPTPKeyProduct) {OperationsSupport,$(NoTitle),$(!
REG_VT_DWORD),$(ProductOpSupport)}
        CloseRegKey $(PPTPKeyProduct)
    Else
        GoTo FatalRegistry
    EndIf
    GoTo end
SuccessfulOption = +
    GoTo end
Abandon = +
    ForListDo $(OEM_ABANDON_OPTIONS)
        Shell $(UtilityInf), RemoveHardwareComponent, $(Manufacturer), +
            $(ProductSoftwareName), $(%)
        IfInt $($ShellCode) != $(!SHELL_CODE_OK)
            Debug-Output $(InfName)": ShellCode error"
            GoTo ShellCodeError
        EndIf
        Set RegistryErrorIndex = $($R0)
        IfStr(i) $(RegistryErrorIndex) != NO_ERROR
            GoTo FatalRegistry
        EndIf
    EndForListDo
    IfStr(i) $(OEM_ABANDON_SOFTWARE) == TRUE
        Shell $(UtilityInf), RemoveSoftwareComponent, $(Manufacturer), +
            $(ProductSoftwareName), FALSE
        IfInt $($ShellCode) != $(!SHELL_CODE_OK)
            Debug-Output $(InfName)": ShellCode error"
            GoTo ShellCodeError
        EndIf
        Set RegistryErrorIndex = $($R0)
        IfStr(i) $(RegistryErrorIndex) != NO_ERROR
            GoTo FatalRegistry
        EndIf
    EndIf
    IfStr(i) $(OEM_ABANDON_PPTP_SOFTWARE) == TRUE
        Shell $(UtilityInf), RemoveSoftwareComponent, $(Manufacturer), +
            $(PPTPProductSoftwareName), FALSE
        IfInt $($ShellCode) != $(!SHELL_CODE_OK)
            Debug-Output $(InfName)": ShellCode error"
            GoTo ShellCodeError
        EndIf
        Set RegistryErrorIndex = $($R0)
        IfStr(i) $(RegistryErrorIndex) != NO_ERROR
            GoTo FatalRegistry
        EndIf
    EndIf

```

```

    EndIf
    GoTo end
WarningMsg = +
    Shell $(subroutineinf) SetupMessage, $(!STF_LANGUAGE), "WARNING", $(Error)
    IfInt $($ShellCode) != $(!SHELL_CODE_OK)
        GoTo ShellCodeError
    EndIf
    IfStr(i) $($R1) == "OK"
        GoTo $(to)
    Else-IfStr(i) $($R1) == "CANCEL"
        GoTo $(from)
    EndIf
    GoTo end
NonFatalInfo = +
    Set Severity = STATUS
    Set CommonStatus = STATUS_USERCANCEL
    IfStr(i) $(Error) == ""
        Set Severity = NONFATAL
        Shell $(UtilityInf) RegistryErrorString "SETUP_FAIL"
        IfInt $($ShellCode) != $(!SHELL_CODE_OK)
            GoTo ShellCodeError
        EndIf
        Set Error = $($R0)
    EndIf
    Shell $(subroutineinf) SetupMessage, $(!STF_LANGUAGE), $(Severity), $(Error)
    IfInt $($ShellCode) != $(!SHELL_CODE_OK)
        GoTo ShellCodeError
    EndIf
    IfStr(i) $($R1) == "OK"
        GoTo $(from)
    EndIf
    GoTo end
FatalRegistry = +
    Shell $(UtilityInf) RegistryErrorString $(RegistryErrorIndex)
    IfInt $($ShellCode) != $(!SHELL_CODE_OK)
        GoTo ShellCodeError
    EndIf
    Set Error = $($R0)
    GoTo FatalError
FatalDetect = +
    Shell $(UtilityInf),RegistryErrorString,CANNOT_DETECT
    IfInt $($ShellCode) != $(!SHELL_CODE_OK)
        Debug-Output $(InfName)": ShellCode error: cannot get an error string."
        GoTo ShellCodeError
    EndIf
    Set Error = $($R0)
    GoTo FatalError
FatalError = +
    IfStr(i) $(Error) == ""
        Shell $(UtilityInf) RegistryErrorString "SETUP_FAIL"
        IfInt $($ShellCode) != $(!SHELL_CODE_OK)
            GoTo ShellCodeError
        EndIf
        Set Error = $($R0)
    EndIf
    Shell $(subroutineinf) SetupMessage, $(!STF_LANGUAGE), "FATAL", $(Error)
    IfInt $($ShellCode) != $(!SHELL_CODE_OK)
        GoTo ShellCodeError
    EndIf

```

```

    GoTo SetFailed
ShellCodeError = +
    Set DlgType = "MessageBox"
    Set STF_MB_TITLE = $(ShellCodeErrorTitle)
    Set STF_MB_TEXT = $(ShellCodeErrorText)
    Set STF_MB_TYPE = 1
    Set STF_MB_ICON = 3
    Set STF_MB_DEF = 1
    UI Start "Error Message"
    GoTo SetFailed
SetFailed = +
    Set CommonStatus = STATUS_FAILED
    IfStr(i) $(OEM_ABANDON_ON) == TRUE
        Set OEM_ABANDON_ON = FALSE
        GoTo Abandon
    EndIf
    GoTo end
end = +
    Return $(CommonStatus)
[HtCreateRegKey]
    Debug-Output $(InfName)": Entering [HtCreateRegKey]"
    Set ECR_Result = NO_ERROR
    Set ECR_BaseKeyHandle = $($0)
    Set ECR_NewPath = $($1)
    Set KeyNull = ""
    Set MAXIMUM_ALLOWED = 33554432
    Debug-Output $(InfName)": HtCreateRegKey - ECR_BaseKeyHandle = "$
(ECR_BaseKeyHandle)
    Debug-Output $(InfName)": ECR_NewPath = "$(ECR_NewPath)
    Debug-Output $(InfName)": MAXIMUM_ALLOWED = "$
(MAXIMUM_ALLOWED)
    Debug-Output $(InfName)": KeyNull = "$(KeyNull)
    OpenRegKey $(ECR_BaseKeyHandle) "" $(ECR_NewPath) $(MAXIMUM_ALLOWED) +
        ECR_BaseKey
    Debug-Output $(InfName)": ECR_BaseKey = "$(ECR_BaseKey)
    Debug-Output $(InfName)": OpenRegKey returned "$($R0)
    IfStr $(ECR_BaseKey) == $(KeyNull)
        Debug-Output $(InfName)": ECR_BaseKey == KeyNull"
    Else
        Debug-Output $(InfName)": ECR_BaseKey != KeyNull"
        Set ECR_KeyHandle = $(ECR_BaseKey)
        GoTo ECR_Return
    EndIf
    Set ECR_TmpPath = ""
    Split-String $(ECR_NewPath) "\" ECR_PList
    Debug-Output $(InfName)": ECR_PList = "$(ECR_PList)
    ForListDo $(ECR_PList)
        IfStr(i) $($) != "\"
            IfInt $(#) == 1
                Set ECR_TmpPath = $($)
            Else
                Set ECR_TmpPath = $(ECR_TmpPath)"\"$($)
            EndIf
        Debug-Output $(InfName)": Determining if "$(ECR_TmpPath)" exists"
        OpenRegKey $(ECR_BaseKeyHandle) "" $(ECR_TmpPath) $(MAXIMUM_ALLOWED)
ECR_BaseKey
        IfStr $(ECR_BaseKey) == $(KeyNull)
            Debug-Output $(InfName)": Creating "$(ECR_TmpPath)
            CreateRegKey $(ECR_BaseKeyHandle) {$$(ECR_TmpPath),0,GenericClass}

```

```

"" $(MAXIMUM_ALLOWED) "" ECR_KeyHandle
    IfStr(i) $(ECR_KeyHandle) == $(KeyNull)
        Set ECR_Result = $($R0)
        GoTo ECR_Return
    EndIf
EndIf
EndIf
EndForListDo
ECR_Return = +
    Return $(ECR_Result) $(ECR_KeyHandle)
[InstallTCPIPIfNotInstalled]
    Debug-Output $(InfName)"InstallTCPIPIfNotInstalled entry "
    Debug-Output $(InfName)"!NTN_ServiceBase is "$(!NTN_ServiceBase)
    set SrcDir = $($0)
    set AddCopy = $($1)
    set DoCopy = $($2)
    set DoConfig = $($3)
    Read-Syms InvokeTCPIPDlg$(!STF_LANGUAGE)
    set TcpIpKeyName = $(!NTN_ServiceBase)"\TcpIp"
    Set KeyNull = ""
    Set status = STATUS_FAILED
    Set TcpIpInstalled = FALSE
        Set MAXIMUM_ALLOWED = 33554432
    set Protocol = "TCPIP"
    set KeyService = $(KeyNull)
    set DeleteFlag = 0
    set DeleteFlagInfo = {}
    OpenRegKey $(!REG_H_LOCAL) "" $(TcpIpKeyName) $(MAXIMUM_ALLOWED) KeyService
    Ifstr(i) $(KeyService) != $(KeyNull)
        GetRegValue $(KeyService),"DeleteFlag", DeleteFlagInfo
        set DeleteFlag = *$(DeleteFlagInfo), 4
        ifint $(DeleteFlag) != 1
            set TcpIpInstalled = TRUE
        endif
        CloseRegKey $(KeyService)
    endif
    Debug-Output $(InfName)"TCP/IP Installed? "$(TcpIpInstalled)
    Ifstr(i) $(TcpIpInstalled) == "FALSE"
        Debug-Output $(InfName)"Installing TCP/IP"
        Shell "subroutn.inf" SetupMessage, $(!STF_LANGUAGE), "STATUS", +
            $(InvokeTCPSSetupMsg)
        set InvokedByRas = FALSE
        Debug-Output $(InfName)": resetting stf_srcdir_override flag"
        Set PREV_SRCDIR = $(!STF_SRCDIR_OVERRIDE)
        Set !STF_SRCDIR_OVERRIDE = $(SrcDir)
        Shell "oemnxptc.inf" InstallOption $(!STF_LANGUAGE) "TC" $(SrcDir) $
(AddCopy) $(DoCopy) $(DoConfig) $(InvokedByRas)
        set !STF_SRCDIR_OVERRIDE = $(PREV_SRCDIR)
        Ifint $($ShellCode) != $(!SHELL_CODE_OK)
            Debug-Output $(InfName)"SHELL ERROR! during TCP/IP installation"
            Goto InstallTCPEscape
        Endif
        Set status = $($R0)
        Ifstr(i) $(status) != STATUS_SUCCESSFUL
            Ifstr(i) $(status) != STATUS_USERCANCEL
                Debug-Output $(InfName)"oemnxptc.inf returned "$(status)
                Goto InstallTCPEscape
            Endif
        Endif
    Endif
Endif

```

```

Else
    set status = STATUS_SUCCESSFUL
Endif
InstallTCPEscape = +
    set RetStatus = $(status)
    return $(RetStatus)
[AddUSRMediaGroupToServiceGroupOrder]
    Debug-Output $(InfName)": Entering [AddUSRMediaGroupToServiceGroupOrder]"
    Set MAXIMUM_ALLOWED = 33554432
    Set KeyNull = ""
    Read-Syms SMANFileConstants
    set GroupOrderName = "SYSTEM\CurrentControlSet\Control\ServiceGroupOrder"
    OpenRegKey $(!REG_H_LOCAL) "" $(GroupOrderName) $(MAXIMUM_ALLOWED) KeyGroup
    set OldList = {}
    Ifstr(i) $(KeyGroup) != $(KeyNull)
        GetRegValue $(KeyGroup) "List" TmpList
        ifint $(RegLastError) == 0
            ForListDo *$(TmpList), 4
                set OldList = >$(OldList), $($))
            EndForListDo
        endif
        Debug-Output "AddUSRMediaGroupToServiceGroupOrder current list "$(OldList)
        Ifcontains(i) $(PPTPGroupName) not-in $(OldList)
            set NewGroupList = {}
            ForListDo $(OldList)
                ifstr(i) $($)) == "NDIS"
                    set NewGroupList = >$(NewGroupList), $(PPTPGroupName))
                endif
                set NewGroupList = >$(NewGroupList), $($))
            EndForListDo
            Debug-Output "AddUSRMediaGroupToServiceGroupOrder new list "$
(NewGroupList)
            SetRegValue $(KeyGroup) {List, 0,$(!REG_VT_MULTI_SZ),$(NewGroupList)}
        endif
        CloseRegKey $(KeyGroup)
    else
        Debug-Output "AddUSRMediaGroupToServiceGroupOrder error opening
ServiceGroupOrder key."
        Shell $(subroutineinf) SetupMessage, $(!STF_LANGUAGE), "NONFATAL",
"ServiceGroupOrder Update Failed"
    endif
    return
[UpdateAddressList]
    Debug-Output $(InfName)": Entering [UpdateAddressList]"
    Set NumberLineDevices = $($0)
    Set AdapNum = $($1)
    Set DriverName = $($2)
    Set MediaType = $($3)
    Set MAXIMUM_ALLOWED = 33554432
    Set KeyNull = ""
    Debug-Output $(InfName)": number of line devices received value "$
(NumberLineDevices)
    Debug-Output $(InfName)": adapter number received value "$(AdapNum)
    Debug-Output $(InfName)": driver name received value "$(DriverName)
    Shell "" CreateFullTapiAddrList $(AdapNum)
    ifint $($ShellCode) != $(!SHELL_CODE_OK)
        Debug-Output "Cannot create the new TAPI address list"
        goto ShellCodeError
    endif

```

```

Set NewTapiAddrList = $($R0)
Set TapiAddressList = {}
ForListDo $(NewTapiAddrList)
    Set CurListItem = $(AdapNum)"-"$(")"-0"
    Set CurListNumber = $(#)
    IfInt $(CurListNumber) <= $(NumberLineDevices)
        Set TapiAddressList = >$(TapiAddressList), $(CurListItem))
    Endif
EndForListDo
Debug-Output $(InfName)": Modified new Tapi Address List is :"$
(TapiAddressList)
set RASPPTPAddress = "SYSTEM\CurrentControlSet\Services\"$(DriverName)$
(AdapNum)"\Parameters"
    Debug-Output $(InfName)": RASPPTPAddress is "$(RASPPTPAddress)
OpenRegKey $(!REG_H_LOCAL) "" $(RASPPTPAddress) $(MAXIMUM_ALLOWED) KeyParam
Debug-Output $(InfName)": keyparam value is "$(KeyParam)
IfStr(i) $(KeyParam) != $(KeyNull)
    Debug-Output $(InfName)": entering to set usrwan2 value"
    DeleteRegValue $(KeyParam) "AddressList"
    SetRegValue $(KeyParam) {AddressList, 0,$(!REG_VT_MULTI_SZ),$
(TapiAddressList)}
    CloseRegKey $(KeyParam)
EndIf
OpenRegKey $(!REG_H_LOCAL) "" "SOFTWARE\Microsoft" $(MAXIMUM_ALLOWED) BaseKey
Shell "" HtCreateRegKey $(BaseKey) "TAPI DEVICES\RASPPTPM"
IfStr(i) $($R0) != NO_ERROR
    Debug-Output $(InfName)": Error creating registry key!"
    GoTo FatalRegistry
EndIf
Set TapiDeviceKey = $($R1)
    DeleteRegValue $(TapiDeviceKey) "Address"
    DeleteRegValue $(TapiDeviceKey) "Media Type"
    SetRegValue $(TapiDeviceKey) {Address, 0,$(!REG_VT_MULTI_SZ),$
(TapiAddressList)}
    SetRegValue $(TapiDeviceKey) {"Media Type", 0,$(!REG_VT_SZ),$ (MediaType)}
    CloseRegKey $(TapiDeviceKey)
    CloseRegKey $(BaseKey)
Read-Syms InvokeRasDlg$(!STF_LANGUAGE)
Shell "subroutn.inf" SetupMessage, $(!STF_LANGUAGE), "STATUS", +
    $(InvokeRasConfigMsg)
Set AddCopy = YES
Set DoCopy = YES
Set DoConfig = YES
Set SaveNTN_InstallMode = $(!NTN_InstallMode)
Set !NTN_InstallMode = configure
Shell "oemnsvra.inf" InstallOption $(!STF_LANGUAGE) "RAS" "" $(AddCopy) $
(DoCopy) $(DoConfig)
Set !NTN_InstallMode = $(SaveNTN_InstallMode)
IfInt $($ShellCode) != $(!SHELL_CODE_OK)
    Debug-Output $(InfName)": Error Shelling the RAS INF file oemnsvra.inf"
    Shell "subroutn.inf" SetupMessage, $(!STF_LANGUAGE), "STATUS", +
        $(InvokeRasError)
    IfInt $($ShellCode) != $(!SHELL_CODE_OK)
        GoTo ShellCodeError
    Endif
EndIf
EndIf
EndWait
return
[CreateFullTapiAddrList]

```

Debug-Output \$(InfName)": Entering [TapiAddrList]"

Set AdapterNum = \$(\$0)

```
Set FullTapiAddrList = { "1", "2", "3", "4", "5", "6", "7", "8", "9", "10",  
+ "11", "12", "13", "14", "15", "16", "17", "18", "19", "20",  
+ "21", "22", "23", "24", "25", "26", "27", "28", "29", "30",  
+ "31", "32", "33", "34", "35", "36", "37", "38", "39", "40",  
+ "41", "42", "43", "44", "45", "46", "47", "48", "49", "50",  
+ "51", "52", "53", "54", "55", "56", "57", "58", "59", "60",  
+ "61", "62", "63", "64", "65", "66", "67", "68", "69", "70",  
+ "71", "72", "73", "74", "75", "76", "77", "78", "79", "80",  
+ "81", "82", "83", "84", "85", "86", "87", "88", "89", "90",  
+ "91", "92", "93", "94", "95", "96", "97", "98", "99",  
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```

"879", "880", +
"889", "890", +
"899", "900", +
"909", "910", +
"919", "920", +
"929", "930", +
"939", "940", +
"949", "950", +
"959", "960", +
"969", "970", +
"979", "980", +
"989", "990", +
"999", "1000" }
    return $(FullTapiAddrList)
[InstallRASPPFPDriver]
Set MAXIMUM_ALLOWED = 33554432
set Status = STATUS_SUCCESSFUL
set KeyNull = ""
Debug-Output "InstallRASPPFPDriver entry"
OpenRegKey $(!REG_H_LOCAL) "" $(!RaspptpfKeyName) $(MAXIMUM_ALLOWED) KeyService
Ifstr(i) $(KeyService) == $(KeyNull)
    Shell "utility.inf", CreateService, $(!PPTPFProductName), +
        $(!PPTPFProductDisplayName), +
        $(!PPTPFProductImagePath), +
        "kernelautostart", "TDI", {"TCP/IP"}, ""
    ifint $($ShellCode) != $(!SHELL_CODE_OK)
        Debug-Output "OEMNXPPP.INF: InstallRASPPFPDriver : ShellCode error"
        return STATUS_FAILED
    endif
    set RegistryErrorIndex = $($R0)
    CloseRegKey $($R1)
    CloseRegKey $($R2)
    CloseRegKey $($R3)
    Ifstr(i) $(RegistryErrorIndex) == SERVICE_ALREADY_EXISTS
        return $(Status)
    EndIf
    Ifstr(i) $(RegistryErrorIndex) != NO_ERROR
        Debug-Output "OEMNXPPP.INF: InstallRASPPFPDriver: Registry error
create service"
        return STATUS_FAILED
    endif
endif
Ifstr(i) $(KeyService) != $(KeyNull)
    CloseRegKey $(KeyService)
endif
Debug-Output "InstallRASPPFPDriver exit"
return $(Status)

```

```

[RemoveRASPPFPDriver]
  Set MAXIMUM_ALLOWED = 33554432
  set Status = STATUS_SUCCESSFUL
  set KeyNull = ""
  Debug-Output "RemoveRASPPFPDriver entry"
  OpenRegKey $(!REG_H_LOCAL) "" $(!RaspppfKeyName) $(MAXIMUM_ALLOWED) KeyService
  Ifstr(i) $(KeyService) != $(KeyNull)
    Shell "utility.inf", RemoveService $(!PPTPFProductName) "YES"
    ifint $($ShellCode) != $(!SHELL_CODE_OK)
      Debug-Output "OEMNXPPP.INF: RemoveRASPPFPDriver : ShellCode error"
      return STATUS_FAILED
    endif
    set RegistryErrorIndex = $($R0)
    Ifstr(i) $(RegistryErrorIndex) != NO_ERROR
      Debug-Output "OEMNXPPP.INF: RemoveRASPPFPDriver: Registry error: "
      return STATUS_FAILED
    endif
    CloseRegKey $(KeyService)
  endif
  Debug-Output "RemoveRASPPFPDriver exit"
  return $(Status)
[AddServiceDependency]
  Debug-Output "AddServiceDependency: entry"
  set MAXIMUM_ALLOWED = 33554432
  set SERVICE_NO_CHANGE = 4294967295
  set Status = STATUS_FAILED
  Set KeyNull = ""
  set DependentService = $(!NTN_ServiceBase)\$(($0))
  set DependentName = $(($0))
  set DependOn = $(($1))
  set ServiceKey = $(KeyNull)
  OpenRegKey $(!REG_H_LOCAL) "" $(DependentService)\Linkage" $(MAXIMUM_ALLOWED)
ServiceKey
  ifstr(i) $(ServiceKey) != $(KeyNull)
    GetRegValue $(ServiceKey) "OtherDependencies" ServicesList
    ifint $(RegLastError) != 0
      set ServiceValues = {}
    else
      set ServiceValues = *$(ServicesList),4)
    endif
    debug-output "AddServiceDependency: Old OtherDependencies: "$
(ServiceValues)
    ifstr(i) $(ServiceValues) == {}
      Set ServiceValues = {$(DependOn)}
    else-ifstr(i) $(ServiceValues) == ""
      Set ServiceValues = {$(DependOn)}
    else-ifcontains(i) $(DependOn) in $(ServiceValues)
      return STATUS_SUCCESSFUL
    else
      Set ServiceValues = >$(ServiceValues), $(DependOn))
    endif
    debug-output "AddServiceDependency: New OtherDependencies: "$
(ServiceValues)
    SetRegValue $(ServiceKey) {OtherDependencies, 0,+
      $(!REG_VT_MULTI_SZ), $(ServiceValues)}
    CloseRegKey $(ServiceKey)
    set Status = STATUS_SUCCESSFUL
  else
    Debug-Output "AddServiceDependency: error opening service "$

```

```

(DependentService)"\Linkage"
endif
set KeyService = $(KeyNull)
OpenRegKey $(!REG_H_LOCAL) "" $(DependentService) $(MAXIMUM_ALLOWED) KeyService
ifstr $(KeyService) != $(KeyNull)
    set newDependList = {$(DependOn)}
    GetRegValue $(KeyService) "DependOnService" ServiceList
    ifint $(RegLastError) == 0
        Debug-Output "AddServiceDependency: old DependOnService List "*(
(ServiceList), 4)
        ForListDo *$(ServiceList),4)
            ifstr(i) $($!) != $(DependOn)
                set newDependList = >$(newDependList), $($!)
            endif
        EndForListDo
    endif
    GetRegValue $(KeyService) "DependOnGroup" GrpList
    ifint $(RegLastError) == 0
        Debug-Output "AddServiceDependency: old DependOnGroup List "*(
(GrpList), 4)
        ForListDo *$(GrpList),4)
            set grp = "+"$($!)
            set newDependList = >$(newDependList), $(grp)
        EndForListDo
    endif
    Debug-Output "OEMNSVRA.INF: AddServiceDependency: new Dependency List "$
(newDependList)
    LibraryProcedure Result, $(!LIBHANDLE), SetupChangeServiceConfig, $
(DependentName) $(SERVICE_NO_CHANGE), $(SERVICE_NO_CHANGE), $(SERVICE_NO_CHANGE),
"", "", $(newDependList), "", "", ""
    CloseRegKey $(KeyService)
else
    Debug-Output "AddServiceDependency: failed to open service linkage key"$
(DependentService)
endif
Debug-Output "AddServiceDependency: exit"
return $(Status)
[DebugConfiguration]
Debug-Output $(!p:InfName)": **CONFIGURATION STATE: "$($!)
Debug-Output $(!p:InfName)": InterruptNumber is "$(!p:InterruptNumber)
Debug-Output $(!p:InfName)": RamBaseAddress is "$(!p:RamBaseAddress)
Return
[DebugGlobalFlags]
Debug-Output $(InfName)": **CONFIGURATION STATE: "$($!)
Debug-Output $(InfName)": !STF_SRCDIR_USED value is "$(!STF_SRCDIR_USED)
Debug-Output $(InfName)": !STF_SRCDIR_KEYED value is "$(!STF_SRCDIR_KEYED)
Debug-Output $(InfName)": !STF_SRCDIR_OVERRIDE value is "$(!
STF_SRCDIR_OVERRIDE)
Return
[Install-Option]
Set STF_VITAL = ""
IfStr(i) $(AddCopy) == "YES"
    AddSectionFilesToCopyList Files-RASPPTPDLL $(SrcDir) $(!STF_WINDOWSSYSPATH)
    AddSectionFilesToCopyList Files-RASPPTPDRV $(SrcDir) $(!
STF_WINDOWSSYSPATH)\drivers
EndIf
IfStr(i) $(DoCopy) == "YES"
    Set !STF_NCPA_FLUSH_COPYLIST = TRUE
    CopyFilesInCopyList

```


