

CommoditiesD

COLLABORATORS

	TITLE : CommoditiesD		
ACTION	NAME	DATE	SIGNATURE
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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

CommoditiesD

1.1 CommoditiesD

Konstanten

cbdDescrlen	cbdNamelen	cbdTitlelen
cberrDup	cberrOk	cberrSyserr
cberrVersion	cmdeNobroker	cmdeNOMEM
cmdeNoport	cmdeOk	cofShowHide
commoditiesName	cxBroker	cxCustom
cxDebug	cxFilter	cxInvalid
cxSend	cxSignal	cxTranslate
cxTypefilter	cxZero	cxcmdAppear
cxcmdDisable	cxcmdDisappear	cxcmdEnable
cxcmdKill	cxcmdListChg	cxcmdUnique
cxmCommand	cxmIevent	cxmUnique
ixNormalquals	ixVersion	ixsymAlt
ixsymAltmask	ixsymCaps	ixsymCapsmask
ixsymShift	ixsymShiftmask	nbVersion
nbuDuplicate	nbuNotify	nbuUnique

Typ-Deklarationen

CoError	CoErrorSet	CxMsgPtr
CxObjPtr	IX	IXPtr
InputXpression	InputXpressionPtr	NewBroker
NewBrokerFlagSet	NewBrokerFlags	NewBrokerPtr
PFL	UniqueFlagSet	UniqueFlags

1.2 TMP:Modula-2/CommoditiesD.def

```
DEFINITION MODULE CommoditiesD; (*$ Implementation:=FALSE *)
(* 17-Apr-1992/cn *)
```

```
FROM SYSTEM IMPORT ADDRESS, BITSET;
```

```
FROM InputEvent IMPORT
    Qualifiers , QualifierSet , Class ;

FROM ExecD IMPORT
    MsgPortPtr ;

CONST
    commoditiesName="commodities.library";

TYPE
    CxObjPtr ; (* system private! *)
    CxMsgPtr ;

CONST
    cbdNamelen=24;
    cbdTitlelen=40;
    cbdDescrlen=40;

    cberrOk=0;
    cberrSyserr=1;
    cberrDup=2;
    cberrVersion=3;

    nbVersion=5;

TYPE
    UniqueFlags =(
        unique,notify,uf2,uf3,uf4,uf5,uf6,uf7
        ,uf8,uf9,uf10,uf11,uf12,uf13,uf14,uf15
    );
    UniqueFlagSet =SET OF UniqueFlags ;

    NewBrokerFlags =(
        nbf0,nbf1,showHide,nbf3,nbf4,nbf5,nbf6,nbf7
        ,nbf8,nbf9,nbf10,nbf11,nbf12,nbf13,nbf14,nbf15
    );
    NewBrokerFlagSet =SET OF NewBrokerFlags ;

    NewBroker =RECORD
        version:SHORTINT;
        name:ADDRESS;
        title:ADDRESS;
        descr:ADDRESS;
        unique: UniqueFlagSet ;
        flags: NewBrokerFlagSet ;
        pri:SHORTINT;
        port: MsgPortPtr ;
        reservedChannel:CARDINAL;
    END;
    NewBrokerPtr =POINTER TO NewBroker ;

CONST
    nbuDuplicate= UniqueFlagSet {};
    nbuUnique= UniqueFlagSet {unique};
    nbuNotify= UniqueFlagSet {notify};

    cofShowHide=showHide;
```

```

TYPE
    PFL =POINTER TO PROCEDURE():LONGINT;

CONST
    cxInvalid=0;
    cxFilter=1;
    cxTypefilter=2;
    cxSend=3;
    cxSignal=4;
    cxTranslate=5;
    cxBroker=6;
    cxDebug=7;
    cxCustom=8;
    cxZero=9;

    cxmUnique=16;
    cxmIevent=32;
    cxmCommand=64;

    cxcmdDisable=15;
    cxcmdEnable=17;
    cxcmdAppear=19;
    cxcmdDisappear=21;
    cxcmdKill=23;
    cxcmdUnique=25;
    cxcmdListChg=27;

    cmdeOk=0;
    cmdeNobroker=-1;
    cmdeNoport=-2;
    cmdeNomem=-3;

TYPE
    CoError =(
        isNull,nullAttach,badFilter,badType,ce4,ce5,ce6,ce7
        ,ce8,ce9,cel0,cel1,cel2,cel3,cel4,cel5,cel6
    );
    CoErrorSet =SET OF CoError ;

CONST
    ixVersion=2;

TYPE
    InputXpression =RECORD
        version:SHORTCARD;
        class: Class ;
        code:CARDINAL;
        codeMask:CARDINAL;
        qualifier: QualifierSet ;
        qualMask: QualifierSet ;
        qualSame:CARDINAL;
    END;
    IX = InputXpression ;

    InputXpressionPtr =POINTER TO InputXpression ;
    IXPtr =POINTER TO IX ;

```

```
CONST
  ixsymShift=1;
  ixsymCaps=2;
  ixsymAlt=4;

  ixsymShiftmask= QualifierSet {lShift,rShift};
  ixsymCapsmask=ixsymShiftmask+ QualifierSet {capsLock};
  ixsymAltmask= QualifierSet {lAlt,rAlt};

  ixNormalquals= QualifierSet {lShift..leftButton};

END CommoditiesD.noimp
```
