Information technology — Remote Operation: Concepts, model and notation

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Opérations à distance: Concepts, modèle et notation

RECTIFICATIF TECHNIQUE 1

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INTERNATIONAL STANDARD

ITU-T RECOMMENDATION

INFORMATION TECHNOLOGY – REMOTE OPERATIONS: CONCEPTS, MODEL AND NOTATION

TECHNICAL CORRIGENDUM 1

1) Subclause 9.4.1

Replace the ASN.1 box with the following:

```
ReturnResult {OPERATION:Operations} ::= SEQUENCE
{
        invokeId  InvokeId
                        (CONSTRAINED BY {-- must be that for an outstanding operation --}
                        ! RejectProblem : returnResult-unrecognisedInvocation)
                        (CONSTRAINED BY {-- which returns a result --}
                        ! RejectProblem:returnResult-resultResponseUnexpected),
        result    SEQUENCE
        {
        opcode    OPERATION.&operationCode
                        ({Operations})(CONSTRAINED BY {-- identified by invokeId --}
                        ! RejectProblem : returnResult-unrecognisedInvocation),
        result    OPERATION.&ResultType        ({Operations} {@.opcode}
                        ! RejectProblem : returnResult-mistypedResult)
        }
            OPTIONAL
}
(CONSTRAINED BY { -- must conform to the above definition -- }
! RejectProblem : general-mistypedPDU)
```

2) Subclause 10.11

Replace the contents of the ASN.1 box with the following:

```
recode {OPERATION:operation, Code:code} OPERATION ::=
{
        ARGUMENT              operation.&ArgumentType
            OPTIONAL              operation.&argumentTypeOptional
        RESULT               operation.&ResultType
            OPTIONAL              operation.&resultTypeOptional
        RETURN RESULT        operation.&returnResult
        ERRORS               {operation.&Errors}
        LINKED               {operation.&Linked}
        SYNCHRONOUS          operation.&synchronous
        ALWAYS RESPONDS      operation.&alwaysReturns
        INVOKE PRIORITY      {operation.&InvokePriority}
        RESULT-PRIORITY      {operation.&ResultPriority}
        CODE                 code
}
```

3) Subclause 10.12

Replace the contents of the ASN.1 box with the following:

```
switch {OPERATION-PACKAGE:package, OBJECT IDENTIFIER:id} OPERATION-PACKAGE ::=
{
        OPERATIONS              {package.&Both}
        CONSUMER INVOKES        {package.&Consumer}
        SUPPLIER INVOKES        {package.&Supplier}
        ID                      id
}
```

4) Subclause 10.13.1

Replace the contents of the ASN.1 box with the following:

```
combine {OPERATION-PACKAGE:ConsumerConsumes, OPERATION-PACKAGE:ConsumerSupplies,
OPERATION-PACKAGE:base} OPERATION-PACKAGE ::=
{
        OPERATIONS              {ConsumerConsumes.&Both | ConsumerSupplies.&Both}
        CONSUMER INVOKES        {ConsumerConsumes.&Consumer | ConsumerSupplies.&Supplier}
        SUPPLIER INVOKES        {ConsumerConsumes.&Supplier | ConsumerSupplies.&Consumer}
        ID                      base.&id
}
```

5) Annex A

In the module:

Remote-Operations-Generic-ROS-PDUs {joint-iso-itu-t remote-operations(4) generic-ROS-PDUs(6) version1(0)},

replace the definition of:

ReturnResult{OPERATION:Operations}

with the following:

```
ReturnResult {OPERATION:Operations} ::= SEQUENCE
{
        invokeId  InvokeId
                        (CONSTRAINED BY {-- must be that for an outstanding operation --}
                        ! RejectProblem : returnResult-unrecognisedInvocation)
                        (CONSTRAINED BY {-- which returns a result --}
                        ! RejectProblem:returnResult-resultResponseUnexpected),
        result    SEQUENCE
        {
        opcode    OPERATION.&operationCode
                        ({Operations})(CONSTRAINED BY {-- identified by invokeId --}
                        ! RejectProblem : returnResult-unrecognisedInvocation),
        result    OPERATION.&ResultType          ({Operations} {@.opcode}
                        ! RejectProblem : returnResult-mistypedResult)
        }
                OPTIONAL
}
(CONSTRAINED BY {-- must conform to the above definition --}
! RejectProblem : general-mistypedPDU)
```

In the module:

Remote-Operations-Useful-Definitions {joint-iso-itu-t remote-operations(4) useful-definitions(7) version1(0)}

replace the definitions of:

recode{ OPERATION:operation, Code:code}

with the following:

```
recode {OPERATION:operation, Code:code} OPERATION ::=
{
        ARGUMENT                operation.&ArgumentType
            OPTIONAL                operation.&argumentTypeOptional
        RESULT                  operation.&ResultType
            OPTIONAL                operation.&resultTypeOptional
        RETURN RESULT           operation.&returnResult
        ERRORS                  {operation.&Errors}
        LINKED                  {operation.&Linked}
        SYNCHRONOUS             operation.&synchronous
        ALWAYS RESPONDS         operation.&alwaysReturns
        INVOKE PRIORITY         {operation.&InvokePriority}
        RESULT-PRIORITY         {operation.&ResultPriority}
        CODE                    code
}
```

In the module:

Remote-Operations-Useful-Definitions {joint-iso-itu-t remote-operations(4) useful-definitions(7) version1(0)}

replace the definition of:

switch { OPERATION-PACKAGE:package, OBJECT IDENTIFIER:id}

with the following:

```
switch {OPERATION-PACKAGE:package, OBJECT IDENTIFIER:id} OPERATION-PACKAGE ::=
{
        OPERATIONS          {package.&Both}
        CONSUMER INVOKES    {package.&Consumer}
        SUPPLIER INVOKES    {package.&Supplier}
        ID                  id
}
```

In the module:

Remote-Operations-Useful-Definitions {joint-iso-itu-t remote-operations(4) useful-definitions(7) version1(0)}

replace the definition of:

combine { OPERATION-PACKAGE: ConsumerConsumes, OPERATION-PACKAGE:ConsumerSupplies, OPERATION-PACKAGE:base }

with the following:

```
combine {OPERATION-PACKAGE:ConsumerConsumes, OPERATION-PACKAGE:ConsumerSupplies,
OPERATION-PACKAGE:base} OPERATION-PACKAGE ::=
{
        OPERATIONS          {ConsumerConsumes.&Both | ConsumerSupplies.&Both}
        CONSUMER INVOKES    {ConsumerConsumes.&Consumer | ConsumerSupplies.&Supplier}
        SUPPLIER INVOKES    {ConsumerConsumes.&Supplier | ConsumerSupplies.&Consumer}
        ID                  base.&id
}
```

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