This document lists the changes that have been applied during the imporation of a new release of the specification

Summary

This section presents the summary of the document importation

Item	Count	Comment
Paragraph count	2004	This is the number of paragraphs processed during the importation of the document
Modified paragraphs	73	This is the number of paragraphs that have been changed between the two revisions
New paragraphs	14	The is the number of new paragraphs in this new revision
Moved paragraphs	0	The is the number of paragraphs that have been moved around in this new revision
Deleted paragraphs	12	This is the number of paragraphs that have been deleted in this new revision

Modified paragraphs

This section lists the paragraphs that have been modified during the importation

3.1.Entry 26

Original contents

3.0.0
xx/12/08,Release version,AH,

New contents

3.0.0
13/12/08,Release version,AH,

3.4.4.4.2.1.a

Original contents

the train can determine the orientation of the linked balise group by information from the balise group itself (therefore excluding for example single balise groups), AND

New contents

the on-board equipment can determine the orientation of the linked balise group by information from the balise group itself (therefore excluding for example single balise groups), AND

3.5.5.3.1

Original contents

Exception: In case a communication session is established and no acknowledgement is received within a fixed waiting time (see Appendix A.3.1) after sending the Termination of communication session message, the message shall be repeated with the fixed waiting time after each repetition .

New contents

Exception: In case a communication session is established and no acknowledgement is received within a fixed waiting time (see Appendix A.3.1) after sending the Termination of communication session message, the message shall be repeated with the fixed waiting time after each repetition.

3.5.7.4

Original contents

If the connection status timer is ongoing, it shall be stopped if the requests to set-up a safe radio connection are stopped with the relevant RBC/RIU according to:

New contents

If the connection status timer is ongoing, it shall be stopped if the requests to set-up a safe radio connection are stopped with the relevant RBC/RIU.

3.5.7.5.Entry 9

Original contents

[3],(the status has been displayed for the fixed time (see Appendix A3.1)),

New contents

[3],(no Start of mission procedure is on-going) AND (the requests to set-up a safe radio connection are stopped with the relevant RBC/RIU for reason other than the successful set-up),

3.5.7.5.Entry 12

Original contents

[6],(the safe radio connection is lost) AND (the connection status timer is stopped according to 3.5.7.4),

New contents

[6],(the safe radio connection is lost) AND (the requests to set-up a safe radio connection are stopped with the relevant RBC/RIU for reason other than the successful set-up),

3.6

Original contents

Location Principles,Train Position and Train Orientation

New contents

Location Principles, Train Position and Train Orientation

3.6.3.1.3

Original contents

When receiving information from any transmission medium, the on-board equipment shall only take into account information valid for its orientation. Other information shall be ignored. Exception: for SL, PS and SH engines, balise group crossing direction shall be considered.

New contents

When receiving information from any transmission medium, the ERTMS/ETCS on-board equipment shall only take into account information valid for its orientation. Other information shall be ignored. Exception: for SL, PS and SH engines, balise group crossing direction shall be considered.

3.6.3.1.3.1

Original contents

If the train orientation is unknown, data received from any transmission medium valid for one direction only (nominal or reverse) shall be rejected by the onboard equipment. Data valid for both directions shall be evaluated (see section 4.8).

New contents

If the train position is unknown, data received from any transmission medium valid for one direction only (nominal or reverse) shall be rejected by the onboard equipment. Data valid for both directions shall be evaluated (see section 4.8).

3.6.3.1.4

Original contents

If no co-ordinate system has been assigned to a single balise group, data transmitted by trackside, which refers to that balise group requiring the co-ordinate system to be known (i.e. all data which are only valid for one direction (nominal or reverse)) shall be rejected by the on-board system.

New contents

If no co-ordinate system has been assigned to a single balise group, data transmitted by trackside, which refers to that balise group requiring the co-ordinate system to be known (i.e. all data which are only valid for one direction (nominal or reverse)) shall be rejected by the ERTMS/ETCS on-board equipment. Data valid for both directions shall be evaluated (see section 4.8).

3.6.3.1.4.1

Original contents

Note: In case the balise group at a main signal at danger is equipped with a single balise group and the balise group is passed before the co-ordinate system has been assigned, the train will not be tripped.
Figure : Intentionally deleted

New contents

Exception: if not rejected due to balise group message consistency check (see 3.16.2.4.4.1 and 3.16.2.5.1.1), data to be forwarded to a National System (see section 3.15.6) shall be accepted. Justification: the co-ordinate system of the balise group might be known to the National System by other means inherent to the National System itself.
Figure : Intentionally deleted

3.7.2.4

Original contents

It shall be the responsibility of the trackside to send additional information when needed. The information referred to is
Emergency messages (from RBC only)
Request to stop earlier (from RBC only)

Temporary speed restrictions
National values
Level transition information
LX speed restrictions
Inhibition of revocable TSRs from balises in L2/3 (from RBC only)

New contents

It shall be the responsibility of the trackside to send additional information when needed. The information referred to is
Emergency messages (from RBC only)
Request to stop earlier (from RBC only)
Temporary speed restrictions
National values
Level transition information
LX speed restrictions
Inhibition of revocable TSRs from balises in L2/3 (from RBC only)
Virtual Balise Cover orders

3.7.3.1.e

Original contents

New track condition Change of Traction Power information shall replace all stored Change of Traction Power information.

New contents

New track condition Change of Traction System information shall replace all stored Change of Traction System information.

3.11.2.6

Original contents

Temporary Speed Restrictions shall be valid until the train has passed the Temporary Speed Restriction or until the Temporary Speed Restriction has been revoked by the trackside.

New contents

Intentionally deleted.

3.11.5.12

Original contents

It shall be possible for RBC to order an ERTMS/ETCS on-board equipment in Level 2 or 3 to reject revocable TSRs from balises.

New contents

It shall be possible for the RBC to order an ERTMS/ETCS on-board equipment in Level 2 or 3 to reject revocable TSRs from balises.

3.11.7.1.1

Original contents

Exception 1: For the modes On-sight, Limited Supervision and Shunting the speed limit can also be given from the trackside. The speed limit given from the trackside prevails the National value and the default value.

New contents

Exception 1: For the modes On-sight, Limited Supervision and Shunting the speed limit can also be given from the trackside. The speed limit given from the trackside shall prevail over the National value and the default value.

3.12.1.3

Original contents

The types of track conditions to be covered by this function are:
Powerless section, lower pantograph and/or switch off main power switch and/or open circuit breaker (initial state: not powerless section)

Air tightness (initial state: no request for air tightness)
Sound horn (initial state: no request for sound horn)
Non stopping area (initial state: stopping permitted)
Tunnel stopping area (initial state: no tunnel stopping area)
Change of traction system, switch traction system on-board, used for train capable of handling several traction systems (initial state: no initial state keep the current setting)
Change of allowed current consumption, limit current consumed by the train, used to adapt the maximum current consumption of the train to the maximum current allowed by the trackside (initial state: no initial state keep the current setting)
Big metal masses, ignore onboard integrity check alarms of balise transmission. (initial state: alarms not ignored)
Radio hole, stop supervision of the loss of safe radio connection (initial state: loss of safe radio connection supervised)
Switch off regenerative brake (initial state: regenerative brake on)
Switch off eddy current brake for service brake (initial state: eddy current brake on for service brake)
Switch off eddy current brake for emergency brake (initial state: eddy current brake on for emergency brake)
Switch off magnetic shoe brake (initial state: magnetic shoe brake on).
Station platforms, enable passenger doors with or without steps according to platform location, side and height (initial state: not enabled).

New contents

The types of track conditions to be covered by this function are:
Powerless section, lower pantograph (initial state: no powerless section, i.e. pantograph not to be lowered)
Powerless section, switch off main power switch (initial state: no powerless section, i.e. main power switch not to be switched off)
Air tightness (initial state: no request for air tightness)
Sound horn (initial state: no request for sound horn)
Non stopping area (initial state: stopping permitted)
Tunnel stopping area (initial state: no tunnel stopping area)
Change of traction system, switch traction system on-board, used for train capable of handling several traction systems (initial state: no initial state keep the current setting)
Change of allowed current consumption, limit current consumed by the train, used to adapt the maximum current consumption of the train to the maximum current allowed by the trackside (initial state: no initial state keep the current setting)
Big metal masses, ignore onboard integrity check alarms of balise transmission. (initial state: alarms not ignored)
Radio hole, stop supervision of the loss of safe radio connection (initial state: loss of safe radio connection supervised)
Switch off regenerative brake (initial state: regenerative brake on)
Switch off eddy current brake for service brake (initial state: eddy current brake on for service brake)
Switch off eddy current brake for emergency brake (initial state: eddy current brake on for emergency brake)
Switch off magnetic shoe brake (initial state: magnetic shoe brake on).
Station platforms, enable passenger doors with or without steps according to platform location, side and height (initial state: not enabled).

3.13.3.2.1.c

Original contents

0 L 750, where L is the train length in m

New contents

0 L Lmax, where L is the train length in m and where Lmax = 900 m if the brake position is Passenger train in P or Lmax = 1500 m if the brake position is Freight train in P or Freight train in G

3.13.5.1

Original contents

From any track condition profile given by trackside, the on-board shall consider locations without special brake contribution over a distance going from the start location of the profile to the location derived by adding the train length to the end location of the profile.

New contents

As long as it uses a track condition profile given by trackside, the on-board shall consider locations without special brake contribution over a distance going from the start location of the profile to the foot of the deceleration curve (EBD, SBD or GUI, see sections , and).

3.13.5.2

Original contents

From the adhesion profile given by trackside, the on-board shall consider locations with reduced adhesion conditions over a distance going from the start location of the profile to the location derived by adding the train length to the end location of the profile.

New contents

If the status of a special brake is not active, all locations shall be considered without the contribution of this special brake.

3.13.5.3

Original contents

When slippery rail is selected by the driver, all locations shall be considered with reduced adhesion conditions.

New contents

From the adhesion profile given by trackside, the on-board shall consider locations with reduced adhesion conditions over a distance going from the start location of the profile to the location derived by adding the train length to the end location of the profile.

3.13.5.4

Original contents

The speed and distance monitoring shall use, as resulting reduced adhesion conditions, the most restrictive value of the adhesion conditions selected by the driver and the adhesion conditions calculated from the trackside profile.

New contents

When slippery rail is selected by the driver, all locations shall be considered with reduced adhesion conditions.

3.13.6.2.1.2.f

Original contents

The status of the regenerative, eddy current and magnetic shoe brakes (see), only if the speed dependent deceleration model(s) for the emergency brake are acquired as part of Train Data

New contents

The rolling stock correction factors Kdry_rst(V, EBCL) and Kwet_rst(V) (see), only if the speed dependent deceleration model(s) for the emergency brake are acquired as part of Train Data

3.13.6.2.1.2.g

Original contents

The rolling stock correction factors Kdry_rst(V, EBCL) and Kwet_rst(V) (see), only if the speed dependent deceleration model(s) for the emergency brake are acquired as part of Train Data

New contents

The National Values for confidence level on emergency brake safe deceleration and for the available wheel/rail adhesion (see &), only if the speed dependent deceleration model(s) for the emergency brake are acquired as part of Train Data

3.13.6.2.1.2.h

Original contents

The National Values for confidence level on emergency brake safe deceleration and for the available wheel/rail adhesion (see &), only if the speed dependent deceleration model(s) for the emergency brake are acquired as part of Train Data

New contents

The integrated correction factors Kv_int(V) (with the two pivot deceleration values for passenger trains) and Kr_int(l) (see), only if the conversion model is used

3.13.6.2.1.2.i

Original contents

The integrated correction factors Kv_int(V) (with the two pivot deceleration values for passenger trains) and Kr_int(l) (see), only if the conversion model is used

New contents

The brake position (see)

3.13.6.2.1.2.j

Original contents

The brake position (see)

New contents

The acquired train length L_TRAIN (see), only if the conversion model is used

3.13.6.2.1.5

Original contents

A_brake_emergency(V,d) shall be the emergency brake deceleration as a function of the speed, of the status of the special brakes and of the various track conditions encountered between the train front and the target location. A_brake_emergency(V,d) shall be equal to:
A_brake_emergency1(V) when destfront d d1
A_brake_emergency2(V) when d1 < d d2
A_brake_emergency3(V) when d2 < d d3
....
Where
d1, d2, d3,... are the locations with change of special brake(s) contribution
A_brake_emergencyx(V) is equal to the emergency brake model, A_brake_emergency, applicable for the concerned combination of brake.

Figure : Influence of track conditions on A_brake_emergency(V,d)

New contents

A_brake_emergency(V,d) shall be the emergency brake deceleration as a function of the speed, of the locations with change of special brake(s) contribution encountered between the train front and the foot of the EBD curve. A_brake_emergency(V,d) shall be equal to:
A_brake_emergency1(V) when destfront d d1
A_brake_emergency2(V) when d1 < d d2
A_brake_emergency3(V) when d2 < d d3
....
Where
d1, d2, d3,... are the locations with change of special brake(s) contribution
A_brake_emergencyx(V) is equal to the emergency brake model, A_brake_emergency, applicable for the concerned combination of brake.

Figure : Influence of track conditions on A_brake_emergency(V,d)

3.13.6.2.2.2.a

Original contents

The values of T_brake_emergency acquired as part of Train Data (see) or the value of T_brake_emergency derived from the conversion model (see) using the brake position and train length acquired as Train Data.

New contents

The values of T_brake_emergency acquired as part of Train Data (see) or the value of T_brake_emergency derived from the conversion model (see) using the brake position and train length acquired as Train Data.

3.13.6.3.1.4

Original contents

A_brake_service(V,d) shall be the full deceleration of the service brake as a function of the speed, of the status of the special brakes and of the various track conditions encountered between the train front and the target location. A_brake_service(V,d) shall be equal to:

A_brake_service1(V) when destfront d d1
A_brake_service2(V) when d1 < d d2
A_brake_service3(V) when d2 < d d3
....
Where
d1, d2, d3,... are the locations with change of special brake(s) contribution
A_brake_servicex(V) is equal to the full service brake model, A_brake_service, applicable for the concerned combination of brake.

New contents

A_brake_service(V,d) shall be the full deceleration of the service brake as a function of the speed, of the locations with change of special brake(s) contribution encountered between the train front and the foot of the SBD curve. A_brake_service(V,d) shall be equal to:
A_brake_service1(V) when destfront d d1
A_brake_service2(V) when d1 < d d2
A_brake_service3(V) when d2 < d d3
....
Where
d1, d2, d3,... are the locations with change of special brake(s) contribution
A_brake_servicex(V) is equal to the full service brake model, A_brake_service, applicable for the concerned combination of brake.

3.13.6.3.2.3.a

Original contents

The values of T_brake_service acquired as part of Train Data (see) or the value(s) of T_brake_service derived from the conversion model (see) using the brake position and train length acquired as Train Data)

New contents

The values of T_brake_service acquired as part of Train Data (see) or the value(s) of T_brake_service derived from the conversion model (see) using the brake position and train length acquired as Train Data)

3.13.6.4.4

Original contents

A_brake_normal_service(V,d) shall be the normal deceleration of the service brake as a function of the speed, of the status of the special brakes and of the various track conditions encountered between the train front and the target location. A_brake_normal_service(V,d) shall be equal to:
A_brake_normal_service1(V) when destfront d d1
A_brake_normal_service2(V) when d1 < d d2
A_brake_normal_service3(V) when d2 < d d3
....
Where
d1, d2, d3,... are the locations with change of special brake(s) contribution
A_brake_normal_servicex(V) is equal to the normal service brake model applicable for the concerned combination of brake position and of the value of A_brake_service(V=0) between dx-1 and dx (see and).

New contents

A_brake_normal_service(V,d) shall be the normal deceleration of the service brake as a function of the speed, of the locations with change of special brake(s) contribution encountered between the train front and the foot of the GUI curve. A_brake_normal_service(V,d) shall be equal to:
A_brake_normal_service1(V) when destfront d d1
A_brake_normal_service2(V) when d1 < d d2
A_brake_normal_service3(V) when d2 < d d3
....
Where
d1, d2, d3,... are the locations with change of special brake(s) contribution
A_brake_normal_servicex(V) is equal to the normal service brake model applicable for the concerned combination of brake position and of the value of A_brake_service(V=0) between dx-1 and dx (see and).

3.13.8.3.1

Original contents

If a target belongs to the MRSP or is an LOA, the on-board shall calculate an EBD curve that crosses the ceiling speed EBI supervision limit at the target location (see) and based on the safe deceleration A_safe(V,d).

Figure : Calculation of the EBD curve with regards to MRSP or LOA target

New contents

If a target belongs to the MRSP or is an LOA, the on-board shall calculate an EBD curve based on the safe deceleration A_safe(V,d), that crosses the ceiling speed EBI supervision limit (see) at the target location, and that extends up to the location where the target speed is reached (EBD foot).

Figure : Calculation of the EBD curve with regards to MRSP or LOA target

3.13.9.4.8.1

Original contents

In order to calculate in advance the EBI supervision limit at the Trip location related to the EOA, the on-board equipment shall take into account the following assumptions:

New contents

In order to calculate in advance the EBI supervision limit at the Trip location related to the EOA, the on-board equipment shall take into account an estimated acceleration set to zero.

3.13.9.4.8.2

Original contents

The release speed shall be iteratively calculated as follows:

With
and
if
or if

as soon as
with

New contents

The release speed shall be iteratively calculated as follows:

With or (if compensation of speed inaccuracy is inhibited by National Value)
With
With

And with if level = 1
if level = 2 or 3

if
or if

as soon as
with

3.13.9.4.8.2.1

Original contents

Note: The above approximations are intended to prevent the calculated release speed from fluctuating, according to the distance, speed and acceleration measurements. It allows calculating the release speed only once, for a given train reference location, unless the distance confidence interval exceeds the predicted distance between the EOA and the train trip location, based on SUBSET-041 odometer performance values. Whenever the train reference location is updated (e.g. new LRBG), the release speed will however be recalculated and will increase with a step. This behaviour is acceptable from an operational point of view.

New contents

Note: The above formulas are intended to prevent the calculated release speed from fluctuating, according to the distance, speed and acceleration measurements. It allows calculating the release speed only once, for a given on-board reference location, unless

the distance confidence interval exceeds a predicted one, which is based on the assumption that the whole distance between the current on-board reference location and the EOA would be travelled with SUBSET-041 odometer performance values and without any update of the on-board reference location, or

the speed under reading amount (V_ura) exceeds the SUBSET-041 performance value

Whenever the on-board reference location is updated (e.g. new LRBG), the release speed will however be recalculated and will increase with a step. This behaviour is acceptable from an operational point of view.

3.14.1.7.1

Original contents

If the brake command was triggered due to an exceeded reversing distance related to a reversing area, the brake command shall be released at once if the reversing distance has been extended so that the reversing distance is no longer exceeded, or at standstill after driver acknowledgement.

New contents

If the brake command was triggered due to an overpassed reversing distance related to a reversing area or due to any further movement in the direction opposite to the train orientation while the reversing distance is still overpassed, the brake command shall be released if the reversing distance becomes extended so that the reversing distance is no longer overpassed, or at standstill after driver acknowledgement.

3.14.1.7.4

Original contents

If the brake command was triggered due to level inhibition (see 5.10.2.7.2) the brake command shall be released at standstill and after driver acknowledgement.

New contents

If the brake command was triggered due to an overpassed distance allowed for moving backwards in Post Trip mode or due to any further movement in the direction opposite to the train orientation while the distance allowed for moving backwards in Post Trip mode is still overpassed, the brake command shall be released at standstill and after driver acknowledgement.

3.14.1.7.5

Original contents

If the brake command was triggered due to an overpassed distance allowed for moving backwards in Post Trip mode, the brake command shall be released at standstill and after driver acknowledgement.

New contents

If the brake command was triggered due to the driver not having acknowledged a text message, the brake command shall be released after the driver has acknowledged the text message.

3.15.4.8

Original contents

If the end location of the maximum distance to run in the opposite direction is passed by the train front end, the brake command shall be triggered.

New contents

If the end location of the maximum distance to run in the opposite direction is passed by the train front end, the emergency brake command shall be triggered.

3.15.6.5

Original contents

The On-Board equipment shall be able to receive data from balises to be forwarded to a National System.

New contents

Amongst the data to be used by applications outside ERTMS/ETCS that can be transmitted by trackside over the ERTMS/ETCS transmission channels, it shall be possible to send from balises or RBC data to be forwarded to a National System.

3.15.9

Original contents

Inhibition of levels

New contents

Virtual Balise Cover

3.15.9.1

Original contents

During a start of mission, the driver shall have the opportunity to inhibit any ERTMS/ETCS level, or to remove any existing level inhibitions.

New contents

It shall be possible to set and remove from balise a Virtual Balise Cover (VBC). A VBC is defined by:

3.15.9.2

Original contents

It shall be possible for trackside to send a level inhibition order defining a list of inhibited levels.

New contents

During a start of mission, the driver shall have the opportunity to set a new VBC, or to remove an existing one.

3.15.9.3

Original contents

A new list of inhibited levels received from trackside shall replace the complete list of inhibited levels stored onboard.

New contents

As long as a VBC is stored on-board:

3.15.9.4

Original contents

The onboard level transition function shall take into account the stored list of inhibited levels.

New contents

If the ERTMS/ETCS on-board equipment receives from balise or from driver a new VBC with the same VBC identity as an already stored VBC, the new VBC shall replace the previous one, including its validity period.

3.15.9.5

Original contents

If the list of inhibited levels has been changed by driver or by trackside, the revised list of inhibited levels shall be effective:
immediately for level selections made by the driver
for trackside level transitions orders received in the same message as the inhibition order or thereafter.

New contents

A VBC shall be retained on-board when the on-board equipment is switched off (i.e. enters No Power mode) and shall remain applicable when powered on again. It shall be deleted when:

3.15.10.1

Original contents

The ERTMS/ETCS on-board equipment shall offer the possibility to display, only on driver request, an overview of the gradient profile (as received from trackside), of the MRSP, of the track conditions, of the indication location at MRSP speed (see 3.13.10.4.11) and of the first target at zero speed, if any (e.g. the EOA or the start location of a mode profile), with the remaining distances referred to the train front end position.

New contents

The ERTMS/ETCS on-board equipment shall offer the possibility to display, only on driver request, an overview of the gradient profile (as received from trackside), of the MRSP, of the track conditions (except the tunnel stopping areas), of the indication location at MRSP speed (see 3.13.10.4.11) and of the first target at zero speed, if any (e.g. the EOA or the start location of a mode profile), with the remaining distances referred to the train front end position.

3.16.2.4.4.1.a

Original contents

shall not reject the message and shall not command application of the service brake if the balise not found, or not decoded, is duplicated within the balise group, the duplicating one is correctly read and contains:
directional information while the orientation of the balise group can still be evaluated, or
only information valid for both directions, or
neither directional information nor information valid for both directions.

New contents

shall not reject the message and shall not command application of the service brake if the balise not found, or not decoded, is duplicated within the balise group, the duplicating one is correctly read and contains:
directional information while the orientation of the balise group can still be evaluated, or
only information valid for both directions, or
neither directional information nor information valid for both directions, or
only data to be used by applications outside ERTMS/ETCS, or
only data to be used by applications outside ERTMS/ETCS together with other information valid for both directions.

3.16.2.5.1.1.a

Original contents

shall not reject the message and shall not command application of the service brake if the balise not found, or not decoded, is duplicated within the balise group, the duplicating one is correctly read and contains:
directional information while the orientation of the balise group can still be evaluated, or
only information valid for both directions, or
neither directional information nor information valid for both directions.

New contents

shall not reject the message and shall not command application of the service brake if the balise not found, or not decoded, is duplicated within the balise group, the duplicating one is correctly read and contains:
directional information while the orientation of the balise group can still be evaluated, or
only information valid for both directions, or
neither directional information nor information valid for both directions, or
only data to be used by applications outside ERTMS/ETCS, or
only data to be used by applications outside ERTMS/ETCS together with other information valid for both directions.

3.16.2.7.1.1

Original contents

If 2 consecutive linked balise groups announced by linking are not detected and the end of the expectation window of the second balise group has been passed, the ERTMS/ETCS on-board shall command the service brake and the driver shall be informed. At standstill, the location based information stored on-board shall be shortened to the current position. Refer to appendix A.3.4 for the exhaustive list of information, which shall be shortened..

New contents

If 2 consecutive linked balise groups announced by linking are not detected and the end of the expectation window of the second balise group has been passed, the ERTMS/ETCS on-board shall command the service brake and the driver shall be informed. At standstill, the location based information stored on-board shall be shortened to the current position. Refer to appendix A.3.4 for the exhaustive list of information, which shall be shortened.

3.17.2.4

Original contents

It shall be possible from balise group/loop to order the on-board equipment to operate a system version.

New contents

It shall be possible from balise group to order the on-board equipment to operate a system version.

3.17.2.5

Original contents

On receiving the order to operate system version from balise group/loop, the on-board equipment shall immediately operate the system version given in the order. After the order is executed, the requirement 3.17.2.3 shall be again applied for any further received balise telegram/loop message or any further contacted RIU.

New contents

On receiving the order to operate system version from balise group, the on-board equipment shall immediately operate the system version given in the order. After the order is executed, the requirement 3.17.2.3 shall be again applied for any further received balise telegram/loop message or any further contacted RIU.

3.17.2.7

Original contents

If the on-board equipment does not support the system version number X transmitted by a non-RBC trackside constituent or the one specified in the balise group/loop order, it shall consider the operated system version as unchanged.

New contents

If the on-board equipment does not support the system version number X transmitted by a non-RBC trackside constituent or the one specified in the balise group order, it shall consider the operated system version as unchanged.

3.17.2.8

Original contents

In case of communication session established with an RBC, the system version of the RBC shall take precedence on the operated system version in relation to non-RBC constituents and on system version ordered from balise group/loop; the operated system version shall be determined according to the following principles:

New contents

In case of communication session established with an RBC, the system version of the RBC shall take precedence on the operated system version in relation to non-RBC constituents and on system version ordered from balise group; the operated system version shall be determined according to the following principles:

3.17.2.8.d

Original contents

in case the on-board equipment switches from level 2/3 to another level (e.g. exit from a level 2/3 area), the system version control in relation to non-RBC constituents shall be again applied and the balise group/loop orders shall be again considered;

New contents

in case the on-board equipment switches from level 2/3 to another level (e.g. exit from a level 2/3 area), the system version control in relation to non-RBC constituents shall be again applied and the balise group orders shall be again considered;

3.17.2.8.e

Original contents

in case the engine passes the RBC/RBC border location with its maximum safe front end and no session is established with the accepting RBC, the system version control in relation to non-RBC constituents shall be again applied and the balise group/loop orders shall be again considered.

New contents

in case the engine passes the RBC/RBC border location with its maximum safe front end and no session is established with the accepting RBC, the system version control in relation to non-RBC constituents shall be again applied and the balise group orders shall be again considered.

3.17.3.5.a

Original contents

In all levels, if this system version number X equals to 0, the whole balise group shall be ignored.

New contents

In all levels, if this system version number X equals to 0, the balise information shall be ignored.

3.18.4.2.4

Original contents

For operational fallback situations: at standstill, the onboard equipment shall allow the driver to change the ERTMS/ETCS level.

New contents

For operational fallback situations: at standstill, the onboard equipment shall allow the driver to change the ERTMS/ETCS level..

3.18.4.2.5

Original contents

If the table of supported levels given by trackside is available, the selection of level by the driver shall be limited to those contained in this table, excluding levels which are inhibited. If the table of trackside supported levels is not available, the driver can select any level within a default list configured on-board, excluding levels which are inhibited.

New contents

If the table of supported levels given by trackside is available, the selection of level by the driver shall be limited to those contained in this table. If the table of trackside supported levels is not available, the driver can select any level within a default list configured on-board.

3.18.5.2

Original contents

The local time shall be presented to the driver, while the UTC shall be used for the juridical recording.

New contents

The local time shall be presented to the driver, while the UTC shall be used for the juridical data.

3.18.6.1

Original contents

Outside the context of data entry, the ERTMS/ETCS on-board equipment shall offer the possibility to the driver to view the driver ID, the train running number, the RBC contact information and the Train Data either modifiable by the driver or modifiable by other ERTMS/ETCS external sources.

New contents

Outside the context of data entry, the ERTMS/ETCS on-board equipment shall offer the possibility to the driver to view the driver ID, the train running number, the RBC contact information, the Virtual Balise Cover(s) and the Train Data either modifiable by the driver or modifiable by other ERTMS/ETCS external sources.

3.20

Original contents

Recording of Juridical Data

New contents

Juridical Data

3.20.1.1

Original contents

Note: Appendix to chapter 3 defines which data to be recorded and when.

New contents

The on-board recording device of the train is not part of the ERTMS/ETCS on-board equipment..

3.20.1.2

Original contents

Recording function is part of each ERTMS/ETCS on-board system. The juridical recorder function shall be used only to record and allow the downloading of the recorded data that may be used for legal purpose after hazardous situations.

New contents

The ERTMS/ETCS on-board equipment shall transmit to the on-board recording device the information that may be used for legal purpose after hazardous situations.

3.20.1.2.1

Original contents

Note: The juridical recorder is not intended for maintenance purposes and hence no additional functions are included for maintenance recording

New contents

For details about data messages that shall be transmitted to the on-board recording device and their related triggering events, refer to SUBSET-027.

3.20.1.3

Original contents

It shall be possible to determine the date and time (UTC), train position, train speed, driver ID, ETCS equipment ID, the ETCS level and the active mode of the on-board system for each recorded event.

New contents

Intentionally deleted.

3.20.1.4

Original contents

The events to store in the juridical recorder shall allow analysing the cause of an accident.

New contents

Intentionally deleted.

3.20.1.5

Original contents

It shall be possible to download the recorded data via a downloading tool.

New contents

Intentionally deleted.

3.20.1.6

Original contents

The Juridical Recorder shall store the complete set of data (as listed in A3.3.1) for at least the last 24 hours in service.

New contents

Intentionally deleted.

3.20.1.7

Original contents

The Juridical Recorder shall be able to record all the relevant events produced in the worst case situations (i.e. train running at maximum train speed).

New contents

Intentionally deleted.

3.20.1.8

Original contents

It shall be possible to record data from external sources, i.e. via the train interface.

New contents

Intentionally deleted.

3.20.1.9

Original contents

The Juridical Recorder shall store a reduced set of data (as listed in A3.3.2) for the last 8 days in service.

New contents

Intentionally deleted.

New paragraphs

This section lists the paragraphs that have been added during the importation

Paragraph	Contents
3.1.Entry 31	3.2.1 13/12/11,Including all CRs that are in state Analysis completed according to ERA CCM, plus CR772,AH,
3.1.Entry 32	3.3.0 07/03/12,Baseline 3 release version,AH,
3.5.4.3.1	Note: if the session is considered as terminated due to 3.5.4.2.1, the attempts will be resumed immediately according to 3.5.3.4 f).
3.13.5.2.1	Note: in such case, a track condition profile implying the inhibition of this special brake will have no effect.
3.13.5.5	The speed and distance monitoring shall use, as resulting reduced adhesion conditions, the most restrictive value of the adhesion conditions selected by the driver and the adhesion conditions calculated from the trackside profile.
3.15.6.5.1	Note: Definition of what qualifies as data to be forwarded to a National System is national dependent and outside the scope of Subset 026.
3.15.9.1.a	A marker corresponding to balises to be ignored by the on-board together with the area (country or region) in which the VBC is applicable. The VBC marker and the country/region identity form the unique VBC identity.
3.15.9.1.b	Its validity period.
3.15.9.3.a	The ERTMS/ETCS on-board equipment shall ignore any balise telegram that includes a VBC marker and a country/region identity that both match the VBC identity.
3.15.9.3.b	No reaction shall be applied if errors in the reading of the rest of such balise telegram occur.
3.15.9.5.a	it is ordered by trackside, or
3.15.9.5.b	its validity period has elapsed, or
3.15.9.5.c	it is removed by the driver (during Start of Mission), or
3.15.9.5.d	a mismatch is detected between the country/region identity read from a balise group and the country/region identity of the VBC. Note: this means that the reception of a consistent balise group message is a necessary condition for deleting a VBC due to mismatching country/region identities.

Removed paragraphs

This section lists the paragraphs that have been removed during the importation

Paragraph	Contents
3.5.7.4.a	for what regards establishing a communication session, see all items in 3.5.3.7a).
3.5.7.4.b	for what regards maintaining a communication session, see 3.5.4.3 1st, 3rd bullets and 3.5.4.4.
3.13.6.2.1.2.k	The acquired train length L_TRAIN (see), only if the conversion model is used
3.13.6.3.1.2.d	The status of the regenerative, eddy current and magnetic shoe brakes (see), only if the speed dependent deceleration model(s) for the full service brake are acquired as part of Train Data
3.13.6.4.2.g	The status of the regenerative, eddy current and magnetic shoe brakes (see)
3.13.9.4.8.1.a	the estimated acceleration shall be set to zero
3.13.9.4.8.1.b	if not inhibited by National Value, the compensation of the inaccuracy of the speed measurement shall be set to a Fixed Value V_delta0rsob (see Appendix A3.1)
3.14.1.7.6	If the brake command was triggered due to the driver not having acknowledged a text message, the brake command shall be released after the driver has acknowledged the text message.
3.15.6.6	When receiving data to be forwarded to a National System, the On-Board equipment shall transmit that data to the relevant National System if part of the On-Board configuration.
3.15.6.6.1	Note: Definition of data to be transmitted to the National System is national dependent and outside the scope of Subset 026.
3.20.1	On-board Recorder
3.20.1.10	The ERTMS/ETCS on-board equipment shall support the detection of failure of the Juridical Recorder function. If such a failure is detected, the driver shall be informed.

Moved paragraphs

This section lists the paragraphs that have been moved during the importation. No change has been performed in the model. Review should be performed manually.

Paragraph	Contents	Initial position

Errors during importation

This section lists the errors encountered during importation. No change has been performed in the model.
Review should be performed manually.

Paragraph	Text	Error
3.1.Entry 26	3.0.0 13/12/08,Release version,AH,	Cannot find paragraph 3.1.Entry 26 for modification
3.5.7.5.Entry 9	[3],(no Start of mission procedure is on-going) AND (the requests to set-up a safe radio connection are stopped with the relevant RBC/RIU for reason other than the successful set-up),	Cannot find paragraph 3.5.7.5.Entry 9 for modification
3.5.7.5.Entry 12	[6],(the safe radio connection is lost) AND (the requests to set-up a safe radio connection are stopped with the relevant RBC/RIU for reason other than the successful set-up),	Cannot find paragraph 3.5.7.5.Entry 12 for modification
3.13.3.2.1.c	0 L Lmax, where L is the train length in m and where Lmax = 900 m if the brake position is Passenger train in P or Lmax = 1500 m if the brake position is Freight train in P or Freight train in G	Cannot find paragraph 3.13.3.2.1.c for modification
3.16.2.5.1.1.a	shall not reject the message and shall not command application of the service brake if the balise not found, or not decoded, is duplicated within the balise group, the duplicating one is correctly read and contains: directional information while the orientation of the balise group can still be evaluated, or only information valid for both directions, or neither directional information nor information valid for both directions, or only data to be used by applications outside ERTMS/ETCS, or only data to be used by applications outside ERTMS/ETCS together with other information valid for both directions.	Cannot find paragraph 3.16.2.5.1.1.a for modification
3.17.2.8.d	in case the on-board equipment switches from level 2/3 to another level (e.g. exit from a level 2/3 area), the system version control in relation to non-RBC constituents shall be again applied and the balise group orders shall be again considered;	Cannot find paragraph 3.17.2.8.d for modification
3.17.2.8.e	in case the engine passes the RBC/RBC border location with its maximum safe front end and no session is established with the accepting RBC, the system version control in relation to non-RBC constituents shall be again applied and the balise group orders shall be again considered.	Cannot find paragraph 3.17.2.8.e for modification
3.17.3.5.a	In all levels, if this system version number X equals to 0, the balise information shall be ignored.	Cannot find paragraph 3.17.3.5.a for modification
3.1.Entry 31	3.2.1 13/12/11,Including all CRs that are in state Analysis completed according to ERA CCM, plus CR772,AH,	Paragraph 3.1.Entry 31 cannot be found in the specification
3.1.Entry 32	3.3.0 07/03/12,Baseline 3 release version,AH,	Paragraph 3.1.Entry 32 cannot be found in the specification
3.5.7.4.a	for what regards establishing a communication session, see all items in 3.5.3.7a).	Cannot find paragraph 3.5.7.4.a for removal
3.5.7.4.b	for what regards maintaining a communication session, see 3.5.4.3 1st, 3rd bullets and 3.5.4.4.	Cannot find paragraph 3.5.7.4.b for removal

List of paragraphs

This section lists the paragraphs that have been processed during the importation

Paragraph				
3.1	3.1.Entry 0	3.1.Entry 1	3.1.Entry 2	3.1.Entry 3
3.1.Entry 4	3.1.Entry 5	3.1.Entry 6	3.1.Entry 7	3.1.Entry 8
3.1.Entry 9	3.1.Entry 10	3.1.Entry 11	3.1.Entry 12	3.1.Entry 13
3.1.Entry 14	3.1.Entry 15	3.1.Entry 16	3.1.Entry 17	3.1.Entry 18
3.1.Entry 19	3.1.Entry 20	3.1.Entry 21	3.1.Entry 22	3.1.Entry 23
3.1.Entry 24	3.1.Entry 25	3.1.Entry 26	3.1.Entry 27	3.1.Entry 28
3.1.Entry 29	3.1.Entry 30	3.1.Entry 31	3.1.Entry 32	3.1.Entry 33
3.2	3.3	3.3.1	3.3.1.1	3.3.1.2
3.3.1.3	3.3.1.4	3.4	3.4.1	3.4.1.1
3.4.1.2	3.4.1.2.a	3.4.1.2.b	3.4.1.2.c	3.4.1.3
3.4.2	3.4.2.1.1	3.4.2.1.2	3.4.2.2	3.4.2.2.1
3.4.2.2.2	3.4.2.3	3.4.2.3.1	3.4.2.3.2	3.4.2.3.2.1
3.4.2.3.2.2	3.4.2.3.2.3	3.4.2.3.3	3.4.2.3.3.1	3.4.2.3.3.1.1
3.4.2.3.3.2	3.4.2.3.3.3	3.4.2.3.3.4	3.4.2.3.3.4.Entry 0	3.4.2.3.3.4.Entry 1
3.4.2.3.3.5	3.4.2.3.3.6	3.4.2.3.3.6.1	3.4.2.3.3.6.1.Entry 0	3.4.2.3.3.6.1.Entry 1
3.4.2.3.3.7	3.4.2.3.3.7.1	3.4.2.3.3.8	3.4.2.3.3.8.1	3.4.2.4
3.4.2.4.1	3.4.3	3.4.3.1	3.4.3.2	3.4.3.2.a
3.4.3.2.b	3.4.3.2.c	3.4.3.2.1	3.4.3.2.2	3.4.3.3
3.4.4	3.4.4.1	3.4.4.1.1	3.4.4.1.2	3.4.4.1.2.1
3.4.4.2	3.4.4.2.1	3.4.4.2.1.a	3.4.4.2.1.b	3.4.4.2.1.c
3.4.4.2.1.d	3.4.4.2.1.e	3.4.4.2.1.1	3.4.4.2.2	3.4.4.2.2.1
3.4.4.2.2.2	3.4.4.2.2.3	3.4.4.2.3	3.4.4.2.3.a	3.4.4.2.3.b
3.4.4.2.3.c	3.4.4.3	3.4.4.3.1	3.4.4.3.2	3.4.4.3.3
3.4.4.4	3.4.4.4.1	3.4.4.4.2	3.4.4.4.2.1	3.4.4.4.2.1.a
3.4.4.4.2.1.b	3.4.4.4.2.1.c	3.4.4.4.3	3.4.4.4.3.1	3.4.4.4.3.2
3.4.4.4.4	3.4.4.4.5	3.4.4.4.6	3.4.4.4.6.a	3.4.4.4.6.b
3.4.4.4.6.1	3.5	3.5.1.1	3.5.2	3.5.2.1
3.5.2.2	3.5.2.3	3.5.3	3.5.3.1	3.5.3.2
3.5.3.3	3.5.3.4	3.5.3.4.a	3.5.3.4.b	3.5.3.4.c
3.5.3.4.d	3.5.3.4.e	3.5.3.4.f	3.5.3.4.g	3.5.3.4.1
3.5.3.5	3.5.3.5.a	3.5.3.5.b	3.5.3.5.c	3.5.3.5.d
3.5.3.5.1	3.5.3.5.2	3.5.3.5.3	3.5.3.5.3.a	3.5.3.5.3.b
3.5.3.5.3.c	3.5.3.6	3.5.3.6.a	3.5.3.6.b	3.5.3.6.c
3.5.3.7	3.5.3.7.a	3.5.3.7.b	3.5.3.7.c	3.5.3.8
3.5.3.8.a	3.5.3.8.b	3.5.3.9	3.5.3.9.1	3.5.3.10
3.5.3.10.a	3.5.3.10.b	3.5.3.10.c	3.5.3.10.d	3.5.3.11
3.5.3.12	3.5.3.13	3.5.3.13.1	3.5.3.14	3.5.3.15
3.5.3.15.1	3.5.3.16	3.5.3.16.Entry 0	3.5.3.16.Entry 1	3.5.3.16.Entry 2
3.5.4	3.5.4.1	3.5.4.2	3.5.4.2.1	3.5.4.3
3.5.4.3.1	3.5.4.4	3.5.4.5	3.5.5	3.5.5.1
3.5.5.1.a	3.5.5.1.b	3.5.5.1.c	3.5.5.1.d	3.5.5.1.e
3.5.5.1.f	3.5.5.2	3.5.5.2.a	3.5.5.2.b	3.5.5.2.c
3.5.5.3	3.5.5.3.1	3.5.5.3.2	3.5.5.4	3.5.5.5
3.5.5.6	3.5.5.7	3.5.6	3.5.6.1	3.5.6.1.a
3.5.6.1.b	3.5.6.1.c	3.5.6.2	3.5.6.3	3.5.6.3.1
3.5.6.3.2	3.5.6.4	3.5.6.5	3.5.6.5.a	3.5.6.5.b
3.5.6.5.c	3.5.6.6	3.5.6.7	3.5.7	3.5.7.1
3.5.7.2	3.5.7.2.1	3.5.7.3	3.5.7.3.a	3.5.7.3.b
3.5.7.4	3.5.7.5	3.5.7.5.Entry 0	3.5.7.5.Entry 1	3.5.7.5.Entry 2
3.5.7.5.Entry 3	3.5.7.5.Entry 4	3.5.7.5.Entry 5	3.5.7.5.Entry 6	3.5.7.5.Entry 7
3.5.7.5.Entry 8	3.5.7.5.Entry 9	3.5.7.5.Entry 10	3.5.7.5.Entry 11	3.5.7.5.Entry 12
3.5.7.5.Entry 13	3.5.7.5.Entry 14	3.5.7.6	3.5.7.6.a	3.5.7.6.b
3.5.7.6.1	3.5.7.7	3.6	3.6.1	3.6.1.1
3.6.1.1.a	3.6.1.1.b	3.6.1.2	3.6.1.3	3.6.1.4
3.6.1.4.1	3.6.1.5	3.6.1.6	3.6.1.6.1	3.6.2

Paragraph				
3.6.2.1	3.6.2.1.1	3.6.2.1.2	3.6.2.2	3.6.2.2.1
3.6.2.2.2	3.6.2.2.2.a	3.6.2.2.2.b	3.6.2.2.2.c	3.6.2.2.2.1
3.6.2.2.2.2	3.6.2.2.2.3	3.6.2.2.3	3.6.2.3	3.6.2.3.1
3.6.2.3.1.1	3.6.2.3.1.2	3.6.2.4	3.6.2.4.1	3.6.2.4.1.1
3.6.2.4.2	3.6.3	3.6.3.1	3.6.3.1.1	3.6.3.1.1.a
3.6.3.1.1.b	3.6.3.1.2	3.6.3.1.2.a	3.6.3.1.2.b	3.6.3.1.2.c
3.6.3.1.2.1	3.6.3.1.3	3.6.3.1.3.1	3.6.3.1.4	3.6.3.1.4.1
3.6.3.2	3.6.3.2.1	3.6.3.2.2	3.6.3.2.2.a	3.6.3.2.2.b
3.6.3.2.2.c	3.6.3.2.2.d	3.6.3.2.2.e	3.6.3.2.3	3.6.3.2.3.a
3.6.3.2.3.b	3.6.3.2.3.c	3.6.3.2.4	3.6.3.2.4.a	3.6.3.2.4.b
3.6.3.2.4.c	3.6.3.2.4.d	3.6.3.2.5	3.6.3.2.5.1	3.6.3.2.6
3.6.3.2.6.a	3.6.3.2.6.b	3.6.3.2.6.c	3.6.4	3.6.4.1
3.6.4.2	3.6.4.2.a	3.6.4.2.b	3.6.4.2.1	3.6.4.2.2
3.6.4.2.3	3.6.4.3	3.6.4.3.a	3.6.4.3.b	3.6.4.3.1
3.6.4.4	3.6.4.4.a	3.6.4.4.b	3.6.4.4.c	3.6.4.4.1
3.6.4.5	3.6.4.6	3.6.4.7	3.6.4.7.1	3.6.4.7.2
3.6.4.7.2.a	3.6.4.7.2.b	3.6.5	3.6.5.1	3.6.5.1.1
3.6.5.1.1.1	3.6.5.1.2	3.6.5.1.2.a	3.6.5.1.2.b	3.6.5.1.2.c
3.6.5.1.2.d	3.6.5.1.2.e	3.6.5.1.2.f	3.6.5.1.2.g	3.6.5.1.2.h
3.6.5.1.2.i	3.6.5.1.3	3.6.5.1.4	3.6.5.1.4.a	3.6.5.1.4.b
3.6.5.1.4.c	3.6.5.1.4.d	3.6.5.1.4.e	3.6.5.1.4.f	3.6.5.1.4.g
3.6.5.1.4.h	3.6.5.1.4.i	3.6.5.1.4.j	3.6.5.1.4.k	3.6.5.1.4.1
3.6.5.1.5	3.6.5.1.5.a	3.6.5.1.5.b	3.6.5.1.5.c	3.6.5.1.5.d
3.6.5.1.5.e	3.6.5.1.5.1	3.6.5.1.6	3.6.5.1.7	3.6.5.1.8
3.6.5.2	3.6.5.2.1	3.6.5.2.2	3.6.5.2.3	3.6.5.2.3.a
3.6.5.2.3.b	3.6.5.2.4	3.6.5.2.5	3.6.6	3.6.6.1
3.6.6.2	3.6.6.3	3.6.6.4	3.6.6.4.a	3.6.6.4.b
3.6.6.4.c	3.6.6.4.1	3.6.6.4.2	3.6.6.4.3	3.6.6.5
3.6.6.6	3.6.6.7	3.6.6.8	3.6.6.9	3.6.6.9.a
3.6.6.9.b	3.6.6.9.c	3.6.6.9.d	3.6.6.9.1	3.6.6.10
3.7	3.7.1	3.7.1.1	3.7.1.1.a	3.7.1.1.b
3.7.1.1.c	3.7.1.1.d	3.7.2	3.7.2.1	3.7.2.2
3.7.2.2.1	3.7.2.3	3.7.2.3.1	3.7.2.4	3.7.3
3.7.3.1	3.7.3.1.a	3.7.3.1.b	3.7.3.1.c	3.7.3.1.d
3.7.3.1.e	3.7.3.1.f	3.7.3.1.g	3.7.3.1.h	3.7.3.1.i
3.7.3.1.j	3.7.3.1.k	3.7.3.1.l	3.7.3.1.m	3.7.3.1.n
3.7.3.1.1	3.7.3.1.2	3.7.3.2	3.7.3.2.a	3.7.3.2.b
3.7.3.2.c	3.7.3.2.d	3.7.3.3	3.7.3.4	3.7.3.5
3.7.3.6	3.8	3.8.1	3.8.1.1	3.8.1.1.a
3.8.1.1.b	3.8.1.1.c	3.8.1.1.d	3.8.1.1.e	3.8.1.1.f
3.8.1.2	3.8.1.3	3.8.1.4	3.8.1.5	3.8.1.5.a
3.8.1.5.b	3.8.1.5.c	3.8.1.6	3.8.2	3.8.2.1
3.8.2.2	3.8.2.3	3.8.2.3.a	3.8.2.3.b	3.8.2.3.1
3.8.2.4	3.8.2.5	3.8.2.6	3.8.2.7	3.8.2.7.1
3.8.2.7.2	3.8.2.7.3	3.8.2.8	3.8.2.8.a	3.8.2.8.b
3.8.2.8.c	3.8.2.8.d	3.8.2.8.e	3.8.3	3.8.3.1
3.8.3.2	3.8.3.2.a	3.8.3.2.b	3.8.3.3	3.8.3.3.a
3.8.3.3.b	3.8.3.3.c	3.8.3.3.1	3.8.3.4	3.8.3.4.1
3.8.3.5	3.8.3.5.1	3.8.3.6	3.8.3.7	3.8.3.7.1
3.8.3.8	3.8.3.9	3.8.3.10	3.8.3.10.1	3.8.3.11
3.8.4	3.8.4.1	3.8.4.1.1	3.8.4.1.2	3.8.4.1.2.a
3.8.4.1.2.b	3.8.4.1.3	3.8.4.1.3.1	3.8.4.1.4	3.8.4.1.4.1
3.8.4.2	3.8.4.2.1	3.8.4.2.1.a	3.8.4.2.1.b	3.8.4.2.1.1
3.8.4.2.2	3.8.4.2.2.a	3.8.4.2.2.b	3.8.4.2.2.c	3.8.4.2.2.1
3.8.4.2.3	3.8.4.3	3.8.4.3.1	3.8.4.3.1.a	3.8.4.3.1.b
3.8.4.3.1.1	3.8.4.3.2	3.8.4.4	3.8.4.4.1	3.8.4.4.2
3.8.4.4.2.a	3.8.4.4.2.b	3.8.4.4.2.c	3.8.4.4.3	3.8.4.4.4
3.8.4.4.4.1	3.8.4.4.5	3.8.4.4.5.1	3.8.4.5	3.8.4.5.1
3.8.4.5.1.a	3.8.4.5.1.b	3.8.4.5.1.c	3.8.4.5.2	3.8.4.6

Paragraph				
3.8.4.6.1	3.8.4.6.2	3.8.4.6.3	3.8.4.6.4	3.8.4.6.5
3.8.4.6.5.a	3.8.4.6.5.b	3.8.4.6.5.c	3.8.5	3.8.5.1
3.8.5.1.a	3.8.5.1.b	3.8.5.1.1	3.8.5.1.2	3.8.5.1.3
3.8.5.1.4	3.8.5.2	3.8.5.2.1	3.8.5.2.2	3.8.5.2.3
3.8.5.2.3.1	3.8.5.2.4	3.8.5.3	3.8.5.3.1	3.8.5.3.2
3.8.5.3.3	3.8.5.3.4	3.8.5.3.5	3.8.5.3.5.1	3.8.5.3.5.2
3.8.5.3.5.2.a	3.8.5.3.5.2.b	3.8.5.3.5.2.c	3.8.5.3.5.3	3.8.5.3.5.3.a
3.8.5.3.5.3.b	3.8.5.3.5.3.c	3.8.5.3.5.3.d	3.8.5.3.5.4	3.8.5.3.5.4.a
3.8.5.3.5.4.b	3.8.5.3.5.4.c	3.8.5.3.5.4.d	3.8.6	3.8.6.1
3.8.6.1.a	3.8.6.1.b	3.8.6.1.c	3.8.6.2	3.9
3.9.1	3.9.1.1	3.9.1.1.a	3.9.1.1.b	3.9.1.1.c
3.9.1.1.1	3.9.1.2	3.9.1.3	3.9.1.4	3.9.2
3.9.2.1	3.9.2.2	3.9.2.3	3.9.2.4	3.9.2.5
3.9.2.6	3.9.2.7	3.9.2.8	3.9.2.9	3.9.2.10
3.9.2.11	3.9.2.12	3.9.3	3.9.3.1	3.9.3.2
3.9.3.3	3.9.3.3.a	3.9.3.3.b	3.9.3.4	3.9.3.5
3.9.3.5.1	3.9.3.5.1.a	3.9.3.5.1.b	3.9.3.5.1.1	3.9.3.5.2
3.9.3.5.2.a	3.9.3.5.2.b	3.9.3.6	3.9.3.6.a	3.9.3.6.b
3.9.3.6.c	3.9.3.7	3.9.3.8	3.9.3.8.a	3.9.3.8.b
3.9.3.8.1	3.9.3.9	3.9.3.10	3.9.3.10.a	3.9.3.10.b
3.9.3.11	3.9.3.11.a	3.9.3.11.b	3.9.3.11.c	3.9.3.11.d
3.9.3.11.1	3.9.3.11.1.a	3.9.3.11.1.b	3.9.3.12	3.9.3.12.a
3.9.3.12.b	3.9.3.12.1	3.9.3.12.2	3.9.3.13	3.9.3.14
3.9.3.15	3.9.3.16	3.9.3.17	3.10	3.10.1
3.10.1.1	3.10.1.1.1	3.10.1.2	3.10.1.3	3.10.1.3.1
3.10.1.4	3.10.1.4.1	3.10.2	3.10.2.1	3.10.2.2
3.10.2.3	3.10.2.4	3.10.2.5	3.10.2.6	3.10.3
3.10.3.1	3.10.3.2	3.10.3.3	3.10.3.4	3.11
3.11.1	3.11.1.1	3.11.1.2	3.11.2	3.11.2.1
3.11.2.2	3.11.2.2.a	3.11.2.2.b	3.11.2.2.c	3.11.2.2.d
3.11.2.2.e	3.11.2.2.f	3.11.2.2.g	3.11.2.2.h	3.11.2.2.i
3.11.2.2.j	3.11.2.2.k	3.11.2.3	3.11.2.4	3.11.2.5
3.11.2.6	3.11.3	3.11.3.1.1	3.11.3.1.2	3.11.3.1.3
3.11.3.2	3.11.3.2.1	3.11.3.2.1.1	3.11.3.2.1.1.a	3.11.3.2.1.1.b
3.11.3.2.1.2	3.11.3.2.2	3.11.3.2.2.a	3.11.3.2.2.b	3.11.3.2.2.c
3.11.3.2.3	3.11.3.2.3.a	3.11.3.2.3.b	3.11.3.2.3.c	3.11.3.2.3.1
3.11.3.2.4	3.11.3.2.5	3.11.3.2.6	3.11.3.2.6.a	3.11.3.2.6.b
3.11.3.3	3.11.3.3.1	3.11.3.3.2	3.11.3.3.3	3.11.4
3.11.4.1	3.11.4.2	3.11.4.2.1	3.11.4.3	3.11.4.4
3.11.4.5	3.11.4.6	3.11.5	3.11.5.1	3.11.5.2
3.11.5.3	3.11.5.4	3.11.5.5	3.11.5.6	3.11.5.7
3.11.5.8	3.11.5.9	3.11.5.10	3.11.5.11	3.11.5.12
3.11.5.13	3.11.5.14	3.11.5.15	3.11.6	3.11.6.1
3.11.6.2	3.11.6.3	3.11.6.3.1	3.11.6.4	3.11.6.5
3.11.6.5.1	3.11.7	3.11.7.1	3.11.7.1.1	3.11.7.1.2
3.11.7.1.3	3.11.8	3.11.8.1	3.11.9	3.11.9.1
3.11.10	3.11.10.1	3.11.11	3.11.11.1	3.11.11.2
3.11.11.3	3.11.11.4	3.11.11.5	3.11.11.6	3.11.11.7
3.11.12	3.11.12.1	3.11.12.2	3.11.12.3	3.11.12.4
3.11.12.4.1	3.11.12.5	3.11.12.6	3.12	3.12.1
3.12.1.1	3.12.1.2	3.12.1.2.1	3.12.1.2.1.1	3.12.1.2.1.2
3.12.1.2.1.3	3.12.1.2.1.4	3.12.1.3	3.12.1.3.1	3.12.1.3.2
3.12.1.3.3	3.12.1.4	3.12.1.5	3.12.1.5.a	3.12.1.5.b
3.12.1.5.1	3.12.1.5.2	3.12.1.6	3.12.2	3.12.2.1
3.12.2.2	3.12.2.3	3.12.2.3.a	3.12.2.3.b	3.12.2.3.c
3.12.2.4	3.12.2.5	3.12.2.5.1	3.12.2.6	3.12.2.7
3.12.2.8	3.12.2.9	3.12.2.9.1	3.12.2.10	3.12.3
3.12.3.1	3.12.3.1.1	3.12.3.1.2	3.12.3.1.3	3.12.3.1.4
3.12.3.1.4.1	3.12.3.1.5	3.12.3.1.6	3.12.3.1.7	3.12.3.1.8

Paragraph				
3.12.3.1.9	3.12.3.1.10	3.12.3.1.11	3.12.3.2	3.12.3.2.1
3.12.3.2.1.Entry 0	3.12.3.2.1.Entry 1	3.12.3.2.1.Entry 2	3.12.3.2.1.Entry 3	3.12.3.2.1.Entry 4
3.12.3.2.1.Entry 5	3.12.3.3	3.12.3.3.1	3.12.3.3.2	3.12.3.3.3
3.12.3.3.4	3.12.3.3.5	3.12.3.4	3.12.3.4.1	3.12.3.4.2
3.12.3.4.3	3.12.3.4.3.1	3.12.3.4.3.2	3.12.3.4.3.2.a	3.12.3.4.3.2.b
3.12.3.4.4	3.12.3.4.5	3.12.3.4.6	3.12.3.4.7	3.12.3.4.7.1
3.12.3.4.7.2	3.12.3.4.8	3.12.3.5	3.12.3.5.1	3.12.3.5.2
3.12.3.5.3	3.12.4	3.12.4.1	3.12.4.2	3.12.4.3
3.12.4.3.1	3.12.4.4	3.12.4.5	3.12.4.6	3.12.5
3.12.5.1	3.12.5.2	3.12.5.3	3.12.5.4	3.12.5.5
3.12.5.6	3.12.5.6.a	3.12.5.6.b	3.12.5.7	3.13
3.13.1	3.13.1.1	3.13.1.1.1	3.13.1.2	3.13.1.3
3.13.1.4	3.13.2	3.13.2.1	3.13.2.1.1	3.13.2.1.2
3.13.2.1.3	3.13.2.2	3.13.2.2.1	3.13.2.2.1.1	3.13.2.2.1.1.a
3.13.2.2.1.1.b	3.13.2.2.1.1.c	3.13.2.2.1.1.d	3.13.2.2.1.1.e	3.13.2.2.1.1.f
3.13.2.2.1.1.g	3.13.2.2.1.1.h	3.13.2.2.1.1.i	3.13.2.2.1.1.j	3.13.2.2.1.1.k
3.13.2.2.1.2	3.13.2.2.1.3	3.13.2.2.2	3.13.2.2.2.1	3.13.2.2.2.2
3.13.2.2.3	3.13.2.2.3.1	3.13.2.2.3.1.1	3.13.2.2.3.1.2	3.13.2.2.3.1.3
3.13.2.2.3.1.4	3.13.2.2.3.1.5	3.13.2.2.3.1.6	3.13.2.2.3.1.7	3.13.2.2.3.1.8
3.13.2.2.3.1.9	3.13.2.2.3.1.9.a	3.13.2.2.3.1.9.b	3.13.2.2.3.1.10	3.13.2.2.3.1.11
3.13.2.2.3.2	3.13.2.2.3.2.1	3.13.2.2.3.2.2	3.13.2.2.3.2.3	3.13.2.2.3.2.3.a
3.13.2.2.3.2.3.b	3.13.2.2.3.2.3.c	3.13.2.2.3.2.4	3.13.2.2.3.2.5	3.13.2.2.3.2.6
3.13.2.2.3.2.7	3.13.2.2.3.2.8	3.13.2.2.3.2.9	3.13.2.2.3.2.10	3.13.2.2.4
3.13.2.2.4.1	3.13.2.2.4.1.a	3.13.2.2.4.1.b	3.13.2.2.4.1.c	3.13.2.2.4.2
3.13.2.2.5	3.13.2.2.5.1	3.13.2.2.5.2	3.13.2.2.6	3.13.2.2.6.1
3.13.2.2.6.1.Entry 0	3.13.2.2.6.1.Entry 1	3.13.2.2.6.1.Entry 2	3.13.2.2.6.1.Entry 3	3.13.2.2.6.1.Entry 4
3.13.2.2.6.1.Entry 5	3.13.2.2.6.1.Entry 6	3.13.2.2.6.1.Entry 7	3.13.2.2.6.1.Entry 8	3.13.2.2.6.1.Entry 9
3.13.2.2.6.1.Entry 10	3.13.2.2.6.1.Entry 11	3.13.2.2.6.2	3.13.2.2.6.2.Entry 0	3.13.2.2.6.2.Entry 1
3.13.2.2.6.2.Entry 2	3.13.2.2.6.2.Entry 3	3.13.2.2.6.2.Entry 4	3.13.2.2.6.2.Entry 5	3.13.2.2.6.2.Entry 6
3.13.2.2.6.2.Entry 7	3.13.2.2.6.2.Entry 8	3.13.2.2.6.2.Entry 9	3.13.2.2.6.2.Entry 10	3.13.2.2.6.2.Entry 11
3.13.2.2.6.3	3.13.2.2.6.4	3.13.2.2.6.5	3.13.2.2.6.6	3.13.2.2.7
3.13.2.2.7.1	3.13.2.2.7.2	3.13.2.2.8	3.13.2.2.8.1	3.13.2.2.9
3.13.2.2.9.1	3.13.2.2.9.1.1	3.13.2.2.9.1.2	3.13.2.2.9.1.3	3.13.2.2.9.1.4
3.13.2.2.9.1.5	3.13.2.2.9.2	3.13.2.2.9.2.1	3.13.2.2.9.2.2	3.13.2.2.9.2.3
3.13.2.2.9.2.4	3.13.2.2.9.2.5	3.13.2.2.9.2.6	3.13.2.2.10	3.13.2.2.10.1
3.13.2.2.11	3.13.2.2.11.1	3.13.2.2.12	3.13.2.2.12.1	3.13.2.2.13
3.13.2.2.13.1	3.13.2.3	3.13.2.3.1	3.13.2.3.1.1	3.13.2.3.1.1.a
3.13.2.3.1.1.b	3.13.2.3.1.1.c	3.13.2.3.1.1.d	3.13.2.3.1.1.e	3.13.2.3.1.1.f
3.13.2.3.1.1.g	3.13.2.3.2	3.13.2.3.2.1	3.13.2.3.3	3.13.2.3.3.1
3.13.2.3.4	3.13.2.3.4.1	3.13.2.3.5	3.13.2.3.5.1	3.13.2.3.6
3.13.2.3.6.1	3.13.2.3.6.1.a	3.13.2.3.6.1.b	3.13.2.3.7	3.13.2.3.7.1
3.13.2.3.7.2	3.13.2.3.7.2.a	3.13.2.3.7.2.b	3.13.2.3.7.3	3.13.2.3.7.4
3.13.2.3.7.5	3.13.2.3.7.6	3.13.2.3.7.7	3.13.2.3.7.7.a	3.13.2.3.7.7.b
3.13.2.3.7.7.c	3.13.2.3.7.8	3.13.2.3.7.9	3.13.2.3.7.10	3.13.2.3.7.11
3.13.2.3.7.11.1	3.13.2.3.7.11.2	3.13.2.3.7.11.3	3.13.2.3.7.11.3.1	3.13.2.3.7.11.4
3.13.2.3.7.11.5	3.13.2.3.7.11.6	3.13.2.3.7.12	3.13.2.3.7.12.1	3.13.2.3.7.12.2
3.13.2.3.7.13	3.13.2.3.7.14	3.13.3	3.13.3.1	3.13.3.1.1
3.13.3.1.2	3.13.3.2	3.13.3.2.1	3.13.3.2.1.a	3.13.3.2.1.b
3.13.3.2.1.c	3.13.3.2.1.1	3.13.3.2.2	3.13.3.3	3.13.3.3.1
3.13.3.3.1.1	3.13.3.3.2	3.13.3.3.2.1	3.13.3.3.3	3.13.3.3.3.1
3.13.3.4	3.13.3.4.1	3.13.3.4.1.1	3.13.3.4.2	3.13.3.4.2.1
3.13.3.4.3	3.13.3.4.3.1	3.13.3.4.4	3.13.3.4.4.1	3.13.3.4.4.1.a
3.13.3.4.4.1.b	3.13.4	3.13.4.1	3.13.4.1.1	3.13.4.1.1.a
3.13.4.1.1.b	3.13.4.1.2	3.13.4.1.3	3.13.4.1.3.a	3.13.4.1.3.b

Paragraph				
3.13.4.2	3.13.4.2.1	3.13.4.3	3.13.4.3.1	3.13.4.3.1.1
3.13.4.3.1.2	3.13.4.3.2	3.13.4.3.2.a	3.13.4.3.2.b	3.13.5
3.13.5.1	3.13.5.2	3.13.5.2.1	3.13.5.3	3.13.5.4
3.13.5.5	3.13.6	3.13.6.1	3.13.6.1.1	3.13.6.2
3.13.6.2.1	3.13.6.2.1.1	3.13.6.2.1.2	3.13.6.2.1.2.a	3.13.6.2.1.2.b
3.13.6.2.1.2.c	3.13.6.2.1.2.d	3.13.6.2.1.2.e	3.13.6.2.1.2.f	3.13.6.2.1.2.g
3.13.6.2.1.2.h	3.13.6.2.1.2.i	3.13.6.2.1.2.j	3.13.6.2.1.3	3.13.6.2.1.4
3.13.6.2.1.5	3.13.6.2.1.6	3.13.6.2.1.6.a	3.13.6.2.1.6.b	3.13.6.2.1.7
3.13.6.2.1.8	3.13.6.2.1.8.1	3.13.6.2.1.8.2	3.13.6.2.1.9	3.13.6.2.2
3.13.6.2.2.1	3.13.6.2.2.2	3.13.6.2.2.2.a	3.13.6.2.2.2.b	3.13.6.2.2.2.c
3.13.6.2.2.3	3.13.6.3	3.13.6.3.1	3.13.6.3.1.1	3.13.6.3.1.2
3.13.6.3.1.2.a	3.13.6.3.1.2.b	3.13.6.3.1.2.c	3.13.6.3.1.3	3.13.6.3.1.4
3.13.6.3.2	3.13.6.3.2.1	3.13.6.3.2.2	3.13.6.3.2.3	3.13.6.3.2.3.a
3.13.6.3.2.3.b	3.13.6.3.2.4	3.13.6.4	3.13.6.4.1	3.13.6.4.2
3.13.6.4.2.a	3.13.6.4.2.b	3.13.6.4.2.c	3.13.6.4.2.d	3.13.6.4.2.e
3.13.6.4.2.f	3.13.6.4.3	3.13.6.4.4	3.13.7	3.13.7.1
3.13.7.2	3.13.7.3	3.13.8	3.13.8.1	3.13.8.1.1
3.13.8.1.2	3.13.8.1.3	3.13.8.2	3.13.8.2.1	3.13.8.2.1.a
3.13.8.2.1.b	3.13.8.2.1.c	3.13.8.2.1.d	3.13.8.2.1.1	3.13.8.2.2
3.13.8.2.3	3.13.8.3	3.13.8.3.1	3.13.8.3.2	3.13.8.3.3
3.13.8.4	3.13.8.4.1	3.13.8.5	3.13.8.5.1	3.13.8.5.2
3.13.8.5.2.a	3.13.8.5.2.b	3.13.9	3.13.9.1	3.13.9.1.1
3.13.9.1.2	3.13.9.1.3	3.13.9.2	3.13.9.2.1	3.13.9.2.2
3.13.9.2.3	3.13.9.2.4	3.13.9.2.5	3.13.9.2.6	3.13.9.2.7
3.13.9.2.8	3.13.9.3	3.13.9.3.1	3.13.9.3.1.1	3.13.9.3.1.2
3.13.9.3.1.3	3.13.9.3.1.4	3.13.9.3.2	3.13.9.3.2.1	3.13.9.3.2.2
3.13.9.3.2.2.a	3.13.9.3.2.2.b	3.13.9.3.2.3	3.13.9.3.2.3.a	3.13.9.3.2.3.b
3.13.9.3.2.4	3.13.9.3.2.5	3.13.9.3.2.6	3.13.9.3.2.7	3.13.9.3.2.8
3.13.9.3.2.9	3.13.9.3.2.10	3.13.9.3.2.11	3.13.9.3.2.12	3.13.9.3.3
3.13.9.3.3.1	3.13.9.3.3.2	3.13.9.3.3.3	3.13.9.3.3.4	3.13.9.3.3.4.1
3.13.9.3.3.5	3.13.9.3.3.6	3.13.9.3.3.7	3.13.9.3.3.8	3.13.9.3.3.8.1
3.13.9.3.3.9	3.13.9.3.4	3.13.9.3.4.1	3.13.9.3.4.2	3.13.9.3.5
3.13.9.3.5.1	3.13.9.3.5.2	3.13.9.3.5.3	3.13.9.3.5.4	3.13.9.3.5.5
3.13.9.3.5.6	3.13.9.3.5.7	3.13.9.3.5.7.1	3.13.9.3.5.8	3.13.9.3.5.9
3.13.9.3.5.9.a	3.13.9.3.5.9.b	3.13.9.3.5.10	3.13.9.3.5.10.1	3.13.9.3.5.11
3.13.9.3.5.11.a	3.13.9.3.5.11.b	3.13.9.3.5.12	3.13.9.3.6	3.13.9.3.6.1
3.13.9.3.6.2	3.13.9.3.6.3	3.13.9.3.6.4	3.13.9.4	3.13.9.4.1
3.13.9.4.2	3.13.9.4.3	3.13.9.4.3.a	3.13.9.4.3.b	3.13.9.4.3.c
3.13.9.4.4	3.13.9.4.5	3.13.9.4.6	3.13.9.4.7	3.13.9.4.8
3.13.9.4.8.1	3.13.9.4.8.2	3.13.9.4.8.2.1	3.13.9.4.9	3.13.9.5
3.13.9.5.1	3.13.9.5.2	3.13.9.5.3	3.13.9.5.3.a	3.13.9.5.3.b
3.13.9.5.4	3.13.9.5.5	3.13.9.5.6	3.13.9.5.7	3.13.9.5.8
3.13.9.5.9	3.13.9.5.10	3.13.9.5.11	3.13.9.5.12	3.13.9.5.13
3.13.10	3.13.10.1	3.13.10.1.1	3.13.10.1.2	3.13.10.1.3
3.13.10.1.4	3.13.10.1.5	3.13.10.2	3.13.10.2.1	3.13.10.2.2
3.13.10.2.3	3.13.10.2.4	3.13.10.2.5	3.13.10.2.6	3.13.10.2.7
3.13.10.3	3.13.10.3.1	3.13.10.3.2	3.13.10.3.3	3.13.10.3.3.Entry 0
3.13.10.3.3.Entry 1	3.13.10.3.3.Entry 2	3.13.10.3.3.Entry 3	3.13.10.3.3.Entry 4	3.13.10.3.3.Entry 5
3.13.10.3.3.Entry 6	3.13.10.3.3.Entry 7	3.13.10.3.3.Entry 8	3.13.10.3.3.Entry 9	3.13.10.3.4
3.13.10.3.4.Entry 0	3.13.10.3.4.Entry 1	3.13.10.3.4.Entry 2	3.13.10.3.4.Entry 3	3.13.10.3.4.Entry 4
3.13.10.3.4.Entry 5	3.13.10.3.4.Entry 6	3.13.10.3.4.Entry 7	3.13.10.3.4.Entry 8	3.13.10.3.4.Entry 9
3.13.10.3.5	3.13.10.3.6	3.13.10.3.7	3.13.10.4	3.13.10.4.1
3.13.10.4.2	3.13.10.4.2.1	3.13.10.4.3	3.13.10.4.4	3.13.10.4.5
3.13.10.4.6	3.13.10.4.7	3.13.10.4.7.1	3.13.10.4.8	3.13.10.4.9
3.13.10.4.9.a	3.13.10.4.9.b	3.13.10.4.10	3.13.10.4.10.Entry 0	3.13.10.4.10.Entry 1
3.13.10.4.10.Entry 2	3.13.10.4.10.Entry 3	3.13.10.4.10.Entry 4	3.13.10.4.10.Entry 5	3.13.10.4.10.Entry 6

Paragraph				
3.13.10.4.10.Entry 7	3.13.10.4.10.Entry 8	3.13.10.4.10.Entry 9	3.13.10.4.10.Entry 10	3.13.10.4.10.Entry 11
3.13.10.4.10.Entry 12	3.13.10.4.10.Entry 13	3.13.10.4.10.Entry 14	3.13.10.4.10.Entry 15	3.13.10.4.10.Entry 16
3.13.10.4.10.Entry 17	3.13.10.4.10.Entry 18	3.13.10.4.10.Entry 19	3.13.10.4.10.Entry 20	3.13.10.4.10.Entry 21
3.13.10.4.10.Entry 22	3.13.10.4.10.Entry 23	3.13.10.4.10.Entry 24	3.13.10.4.10.Entry 25	3.13.10.4.10.Entry 26
3.13.10.4.10.Entry 27	3.13.10.4.10.Entry 28	3.13.10.4.10.Entry 29	3.13.10.4.10.Entry 30	3.13.10.4.10.Entry 31
3.13.10.4.10.Entry 32	3.13.10.4.10.Entry 33	3.13.10.4.10.Entry 34	3.13.10.4.10.Entry 35	3.13.10.4.10.Entry 36
3.13.10.4.10.Entry 37	3.13.10.4.10.Entry 38	3.13.10.4.10.Entry 39	3.13.10.4.10.Entry 40	3.13.10.4.10.Entry 41
3.13.10.4.10.Entry 42	3.13.10.4.10.Entry 43	3.13.10.4.10.Entry 44	3.13.10.4.10.Entry 45	3.13.10.4.10.Entry 46
3.13.10.4.10.Entry 47	3.13.10.4.10.Entry 48	3.13.10.4.10.Entry 49	3.13.10.4.10.Entry 50	3.13.10.4.10.Entry 51
3.13.10.4.10.Entry 52	3.13.10.4.10.Entry 53	3.13.10.4.10.Entry 54	3.13.10.4.10.Entry 55	3.13.10.4.10.Entry 56
3.13.10.4.10.Entry 57	3.13.10.4.10.Entry 58	3.13.10.4.11	3.13.10.4.12	3.13.10.4.13
3.13.10.4.14	3.13.10.4.15	3.13.10.4.15.Entry 0	3.13.10.4.15.Entry 1	3.13.10.4.15.Entry 2
3.13.10.4.15.Entry 3	3.13.10.4.15.Entry 4	3.13.10.4.15.Entry 5	3.13.10.4.15.Entry 6	3.13.10.4.15.Entry 7
3.13.10.4.15.Entry 8	3.13.10.4.15.Entry 9	3.13.10.4.16	3.13.10.5	3.13.10.5.1
3.13.10.5.2	3.13.10.5.3	3.13.10.5.4	3.13.10.5.4.Entry 0	3.13.10.5.4.Entry 1
3.13.10.5.4.Entry 2	3.13.10.5.4.Entry 3	3.13.10.5.4.Entry 4	3.13.10.5.4.Entry 5	3.13.10.5.4.Entry 6
3.13.10.5.4.Entry 7	3.13.10.5.4.Entry 8	3.13.10.5.4.Entry 9	3.13.10.5.4.Entry 10	3.13.10.5.4.Entry 11
3.13.10.5.5	3.13.10.5.5.Entry 0	3.13.10.5.5.Entry 1	3.13.10.5.5.Entry 2	3.13.10.5.5.Entry 3
3.13.10.5.5.Entry 4	3.13.10.5.5.Entry 5	3.13.10.5.5.Entry 6	3.13.10.5.5.Entry 7	3.13.10.5.5.Entry 8
3.13.10.5.5.Entry 9	3.13.10.5.6	3.13.10.5.7	3.13.10.6	3.13.10.6.1
3.13.10.6.1.Entry 0	3.13.10.6.1.Entry 1	3.13.10.6.1.Entry 2	3.13.10.6.1.Entry 3	3.13.10.6.1.Entry 4
3.13.10.6.1.Entry 5	3.13.10.6.1.Entry 6	3.13.10.6.1.Entry 7	3.13.10.6.1.Entry 8	3.13.10.6.1.Entry 9
3.13.10.6.1.Entry 10	3.13.10.6.2	3.13.10.6.2.1	3.13.10.6.3	3.13.10.6.4
3.13.10.6.5	3.14	3.14.1	3.14.1.1	3.14.1.2
3.14.1.3	3.14.1.4	3.14.1.5	3.14.1.6	3.14.1.7
3.14.1.7.1	3.14.1.7.2	3.14.1.7.3	3.14.1.7.4	3.14.1.7.5
3.14.1.8	3.14.2	3.14.2.1	3.14.2.2	3.14.2.3
3.14.2.4	3.14.2.5	3.14.2.6	3.14.2.7	3.14.3
3.14.3.1	3.14.3.2	3.14.3.3	3.14.3.4	3.14.3.5
3.14.3.6	3.14.4	3.14.4.1	3.14.4.2	3.14.4.3
3.14.4.4	3.14.4.5	3.15	3.15.1	3.15.1.1
3.15.1.1.1	3.15.1.1.2	3.15.1.1.3	3.15.1.1.4	3.15.1.2
3.15.1.2.1	3.15.1.2.1.a	3.15.1.2.1.b	3.15.1.2.2	3.15.1.2.3
3.15.1.2.3.1	3.15.1.2.3.1.a	3.15.1.2.3.1.b	3.15.1.2.3.1.c	3.15.1.2.3.1.d
3.15.1.2.3.1.e	3.15.1.2.3.1.f	3.15.1.2.3.1.g	3.15.1.2.3.1.h	3.15.1.2.3.1.i
3.15.1.2.3.1.j	3.15.1.2.3.1.k	3.15.1.2.3.1.l	3.15.1.2.3.1.m	3.15.1.2.3.1.n
3.15.1.2.3.1.o	3.15.1.2.3.1.p	3.15.1.2.3.2	3.15.1.2.4	3.15.1.2.5
3.15.1.2.6	3.15.1.2.6.1	3.15.1.2.7	3.15.1.2.8	3.15.1.2.9
3.15.1.2.9.1	3.15.1.3	3.15.1.3.1	3.15.1.3.1.a	3.15.1.3.1.b
3.15.1.3.1.c	3.15.1.3.2	3.15.1.3.2.a	3.15.1.3.2.b	3.15.1.3.3
3.15.1.3.4	3.15.1.3.4.1	3.15.1.3.5	3.15.1.3.5.1	3.15.1.3.6
3.15.1.3.6.1	3.15.1.3.7	3.15.1.4	3.15.1.4.1	3.15.1.4.2
3.15.1.4.3	3.15.1.4.4	3.15.1.4.5	3.15.1.5	3.15.1.5.1
3.15.1.5.2	3.15.1.5.2.a	3.15.1.5.2.b	3.15.1.5.3	3.15.2

Paragraph				
3.15.2.1	3.15.2.2	3.15.3	3.15.3.1	3.15.3.2
3.15.3.2.1	3.15.3.3	3.15.3.4	3.15.4	3.15.4.1
3.15.4.1.1	3.15.4.2	3.15.4.2.a	3.15.4.2.b	3.15.4.2.1
3.15.4.2.2	3.15.4.3	3.15.4.3.1	3.15.4.4	3.15.4.5
3.15.4.6	3.15.4.7	3.15.4.8	3.15.5	3.15.5.1
3.15.5.2	3.15.5.2.a	3.15.5.2.b	3.15.5.3	3.15.5.4
3.15.5.5	3.15.5.6	3.15.6	3.15.6.1	3.15.6.2
3.15.6.2.1	3.15.6.3	3.15.6.4	3.15.6.5	3.15.6.5.1
3.15.7	3.15.7.1	3.15.7.2	3.15.7.3	3.15.8
3.15.8.1	3.15.8.2	3.15.8.3	3.15.8.3.a	3.15.8.3.b
3.15.9	3.15.9.1	3.15.9.1.a	3.15.9.1.b	3.15.9.2
3.15.9.3	3.15.9.3.a	3.15.9.3.b	3.15.9.4	3.15.9.5
3.15.9.5.a	3.15.9.5.b	3.15.9.5.c	3.15.9.5.d	3.15.10
3.15.10.1	3.15.10.2	3.15.10.3	3.15.10.4	3.16
3.16.1	3.16.1.1	3.16.1.1.a	3.16.1.1.b	3.16.1.1.c
3.16.1.1.1	3.16.2	3.16.2.1	3.16.2.1.1	3.16.2.1.2
3.16.2.1.2.1	3.16.2.1.3	3.16.2.1.3.a	3.16.2.1.3.b	3.16.2.2
3.16.2.2.1	3.16.2.2.2	3.16.2.3	3.16.2.3.1	3.16.2.3.1.a
3.16.2.3.1.b	3.16.2.3.1.c	3.16.2.3.1.1	3.16.2.3.2	3.16.2.3.2.1
3.16.2.3.3	3.16.2.3.4	3.16.2.4	3.16.2.4.1	3.16.2.4.1.a
3.16.2.4.1.b	3.16.2.4.1.c	3.16.2.4.1.d	3.16.2.4.2	3.16.2.4.3
3.16.2.4.4	3.16.2.4.4.a	3.16.2.4.4.b	3.16.2.4.4.c	3.16.2.4.4.d
3.16.2.4.4.1	3.16.2.4.4.1.a	3.16.2.4.4.1.b	3.16.2.4.4.2	3.16.2.4.4.3
3.16.2.4.5	3.16.2.4.6	3.16.2.4.6.1	3.16.2.4.7	3.16.2.4.7.1
3.16.2.4.8	3.16.2.4.8.1	3.16.2.4.8.2	3.16.2.4.9	3.16.2.5
3.16.2.5.1	3.16.2.5.1.a	3.16.2.5.1.b	3.16.2.5.1.c	3.16.2.5.1.d
3.16.2.5.1.1	3.16.2.5.1.1.a	3.16.2.5.1.1.b	3.16.2.5.2	3.16.2.5.3
3.16.2.6	3.16.2.6.1	3.16.2.6.2	3.16.2.7	3.16.2.7.1
3.16.2.7.1.1	3.16.2.7.2	3.16.2.7.2.1	3.16.2.7.2.1.a	3.16.2.7.2.1.b
3.16.2.7.2.2	3.16.2.7.2.3	3.16.3	3.16.3.1	3.16.3.1.1
3.16.3.1.1.a	3.16.3.1.1.b	3.16.3.1.1.c	3.16.3.1.1.1	3.16.3.1.1.2
3.16.3.1.2	3.16.3.1.3	3.16.3.1.3.1	3.16.3.1.4	3.16.3.2
3.16.3.2.1	3.16.3.2.2	3.16.3.2.3	3.16.3.3	3.16.3.3.1
3.16.3.3.2	3.16.3.3.3	3.16.3.3.3.1	3.16.3.3.3.2	3.16.3.3.4
3.16.3.4	3.16.3.4.1	3.16.3.4.1.1	3.16.3.4.1.2	3.16.3.4.1.3
3.16.3.4.2	3.16.3.4.2.a	3.16.3.4.2.b	3.16.3.4.2.c	3.16.3.4.3
3.16.3.4.4	3.16.3.4.5	3.16.3.4.5.a	3.16.3.4.5.b	3.16.3.4.6
3.16.3.4.7	3.16.3.5	3.16.3.5.1	3.16.3.5.1.1	3.16.3.5.2
3.16.3.5.3	3.16.3.5.4	3.16.4	3.16.4.1	3.16.4.2
3.16.4.3	3.17	3.17.1	3.17.1.1	3.17.1.2
3.17.1.3	3.17.2	3.17.2.1	3.17.2.2	3.17.2.3
3.17.2.4	3.17.2.5	3.17.2.5.1	3.17.2.6	3.17.2.7
3.17.2.8	3.17.2.8.a	3.17.2.8.b	3.17.2.8.c	3.17.2.8.d
3.17.2.8.e	3.17.2.9	3.17.2.9.1	3.17.3	3.17.3.1
3.17.3.2	3.17.3.3	3.17.3.4	3.17.3.4.1	3.17.3.4.2
3.17.3.5	3.17.3.5.a	3.17.3.5.b	3.17.3.5.c	3.17.3.5.d
3.17.3.5.e	3.17.3.6	3.17.3.6.a	3.17.3.6.b	3.17.3.6.c
3.17.3.7	3.17.3.8	3.17.3.9	3.17.3.10	3.17.3.11
3.17.3.11.a	3.17.3.11.b	3.17.3.11.c	3.17.3.12	3.17.3.12.1
3.17.3.13	3.18	3.18.1	3.18.1.1	3.18.2
3.18.2.1	3.18.2.2	3.18.2.3	3.18.2.4	3.18.2.5
3.18.2.6	3.18.2.7	3.18.2.7.1	3.18.2.8	3.18.2.8.1
3.18.2.9	3.18.2.10	3.18.2.11	3.18.3	3.18.3.1
3.18.3.2	3.18.3.2.a	3.18.3.2.b	3.18.3.2.c	3.18.3.2.d
3.18.3.2.e	3.18.3.2.f	3.18.3.2.g	3.18.3.2.h	3.18.3.2.i
3.18.3.2.j	3.18.3.2.k	3.18.3.2.1	3.18.3.2.2	3.18.3.3
3.18.3.3.1	3.18.3.4	3.18.3.4.a	3.18.3.4.b	3.18.3.4.c
3.18.3.4.d	3.18.3.4.e	3.18.3.4.f	3.18.3.4.g	3.18.3.4.h
3.18.3.4.i	3.18.3.4.1	3.18.3.4.2	3.18.3.5	3.18.3.6

Paragraph				
3.18.3.7	3.18.3.7.a	3.18.3.7.b	3.18.3.8	3.18.4
3.18.4.1	3.18.4.1.1	3.18.4.1.1.1	3.18.4.1.2	3.18.4.1.3
3.18.4.2	3.18.4.2.1	3.18.4.2.2	3.18.4.2.3	3.18.4.2.4
3.18.4.2.4.1	3.18.4.2.5	3.18.4.3	3.18.4.3.1	3.18.4.3.2
3.18.4.3.3	3.18.4.3.4	3.18.4.3.4.1	3.18.4.4	3.18.4.4.1
3.18.4.4.2	3.18.4.4.3	3.18.4.5	3.18.4.5.1	3.18.4.5.2
3.18.4.5.3	3.18.4.5.4	3.18.4.5.4.1	3.18.4.6	3.18.4.6.1
3.18.4.6.2	3.18.4.6.2.1	3.18.4.6.2.2	3.18.4.6.2.3	3.18.4.6.3
3.18.4.6.3.1	3.18.4.6.4	3.18.4.6.5	3.18.5	3.18.5.1
3.18.5.2	3.18.5.3	3.18.6	3.18.6.1	3.18.6.2
3.19	3.20	3.20.1.1	3.20.1.2	3.20.1.2.1
3.20.1.3	3.20.1.4	3.20.1.5	3.20.1.6	3.20.1.7
3.20.1.8	3.20.1.9	3.5.7.4.a	3.5.7.4.b	3.13.6.2.1.2.k
3.13.6.3.1.2.d	3.13.6.4.2.g	3.13.9.4.8.1.a	3.13.9.4.8.1.b	3.14.1.7.6
3.15.6.6	3.15.6.6.1	3.20.1	3.20.1.10	