



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

G.8021/Y.1341

Corrigendum 1
(08/2015)

SERIES G: TRANSMISSION SYSTEMS AND MEDIA,
DIGITAL SYSTEMS AND NETWORKS

Packet over Transport aspects – Ethernet over Transport
aspects

SERIES Y: GLOBAL INFORMATION
INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS
AND NEXT-GENERATION NETWORKS

Characteristics of Ethernet transport network
equipment functional blocks

Corrigendum 1

CAUTION !

PREPUBLISHED RECOMMENDATION

This prepublication is an unedited version of a recently approved Recommendation. It will be replaced by the published version after editing. Therefore, there will be differences between this prepublication and the published version.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, information and communication technologies (ICTs). The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure, e.g., interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

INTELLECTUAL PROPERTY RIGHTS

ITU draws attention to the possibility that the practice or implementation of this Recommendation may involve the use of a claimed Intellectual Property Right. ITU takes no position concerning the evidence, validity or applicability of claimed Intellectual Property Rights, whether asserted by ITU members or others outside of the Recommendation development process.

As of the date of approval of this Recommendation, ITU [had/had not] received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database at <http://www.itu.int/ITU-T/ipr/>.

© ITU 2015

All rights reserved. No part of this publication may be reproduced, by any means whatsoever, without the prior written permission of ITU.

Corrigendum 1 to Recommendation ITU-T G.8021/Y.1341 (2015)

Characteristics of Ethernet transport network equipment functional blocks: Corrigendum 1

Summary

Corrigendum 1 to Recommendation ITU-T G.8021/Y.1341 (2015) modifies all SDL diagrams described in this Recommendation to align with the conventions specified in Recommendation ITU-T Z.100 (2011) Specification and Description Language.

Corrigendum 1 to Recommendation ITU-T G.8021/Y.1341 (2015)

Characteristics of Ethernet transport network equipment functional blocks: Corrigendum 1

1 Scope

This corrigendum modifies all SDL diagrams described in this recommendation to align with the conventions specified in ITU-T Z.100 (2011) Specification and Description Language.

2 Reference

- ITU-T G.8021/Y.1341 (04/2015), Ethernet Linear Protection Switching.

3 Changes to G.8021/Y.1341

The following changes are made to G.8021/Y.1341.

- Add the name of SDL in "Start" symbols (All figures)
- Correct symbols for "State" (All figures)
- Correct symbols for "Connector" (Fig 8-25,26,27)
- Converge multiple flow-charts into one with a sub-routine (Fig 6-3)
- Converge multiple flow-charts into one flow-chart (Fig 8-9,31,78,101,8-xx+1,9-14,9-x+2)
- Add at least one "state" for each flow-chart and modify the termination processing (Fig 8-28,30,31,32,34,51,74,78,80,85)
- Add "Decision" symbols for if statement (Fig 8-37,71,83,84,98,99,8-xx+1)
- Correct duplicate "state" symbols (Fig 8-38,49,50)
- Correct the destination of arrows to "State" symbols (Fig 8-yy+1,8-zz+2,8-zz+5)
- Update the conventions (Fig V.1)

3.1 Figure 6-1

Replace the figure with following:

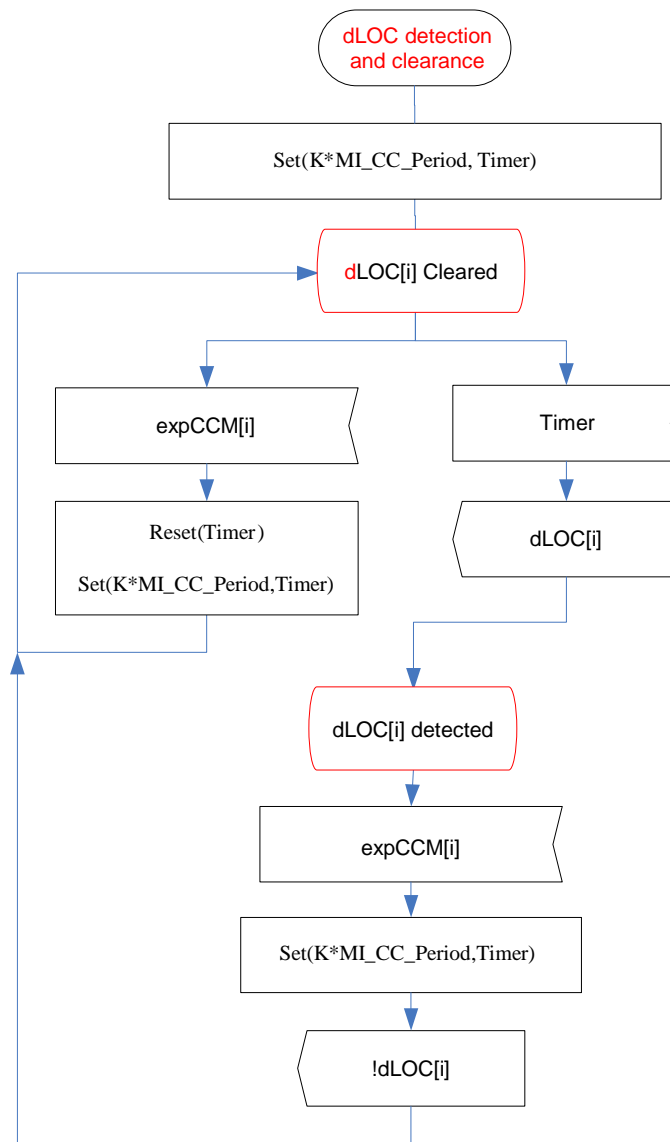


Figure 6-1 – dLOC[] detection and clearance process

3.2 Figure 6-2

Replace the figure with following:

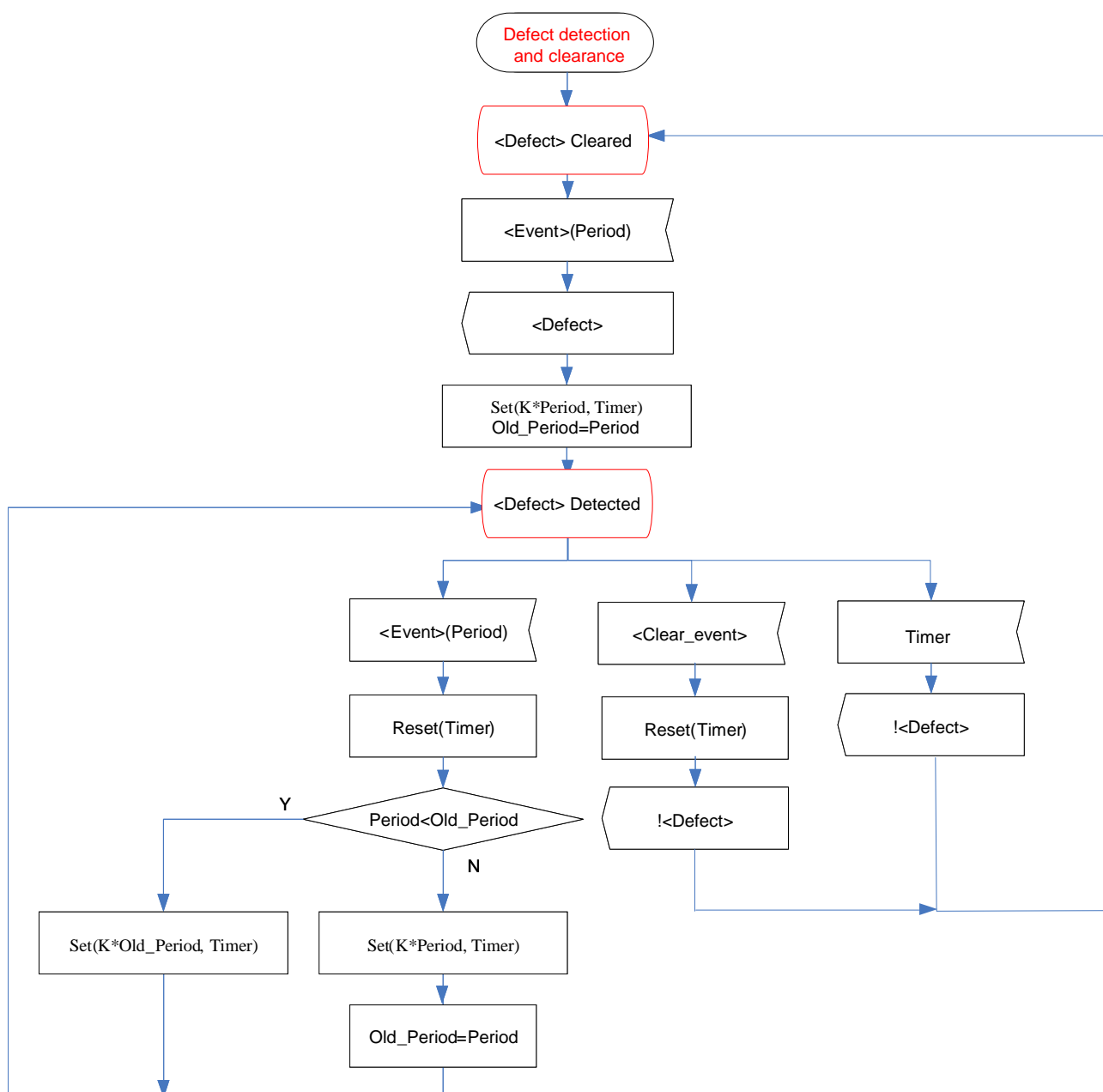


Figure 6-2 – Defect detection and clearance process for dUNL, dMMG, dUNM, dUNP, dUNPr, dAIS, dLCK, and dCSF

3.3 Figure 6-3

Replace the figure with following:

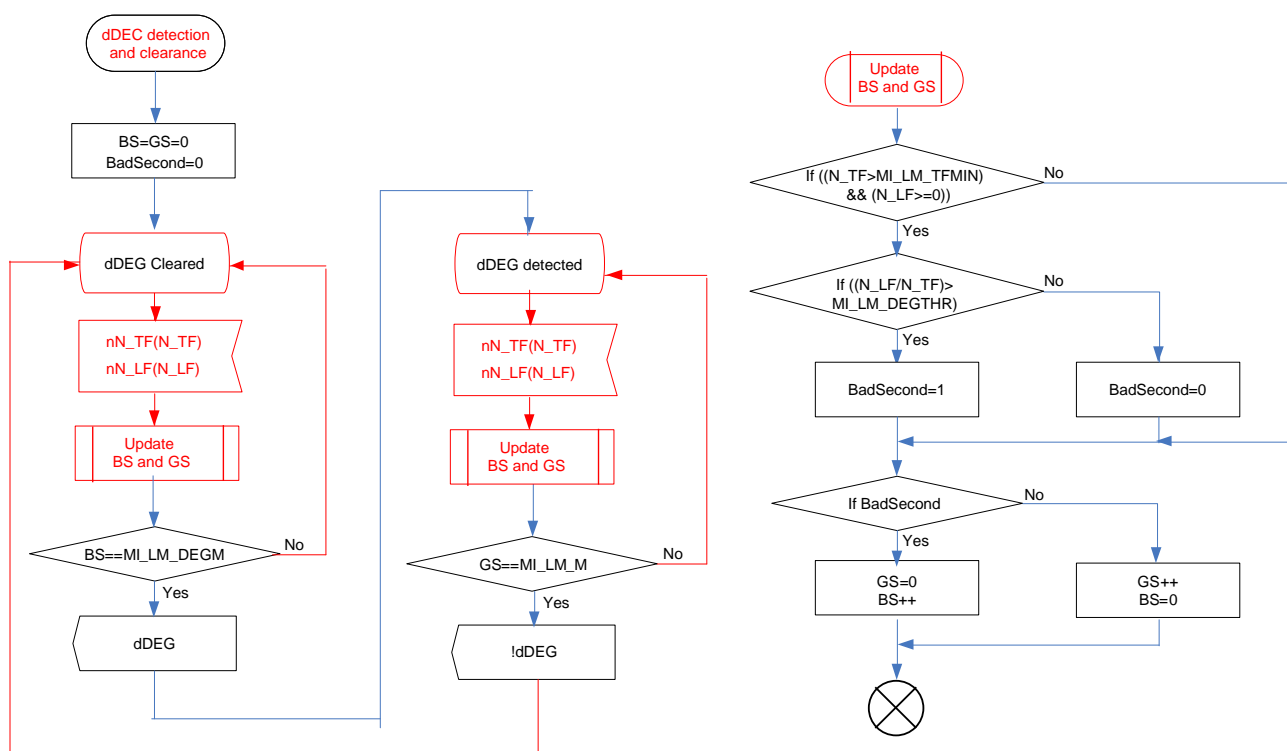


Figure 6-3 – dDEG detection and clearance process

3.4 Figure 8-2

Replace the figure with following:

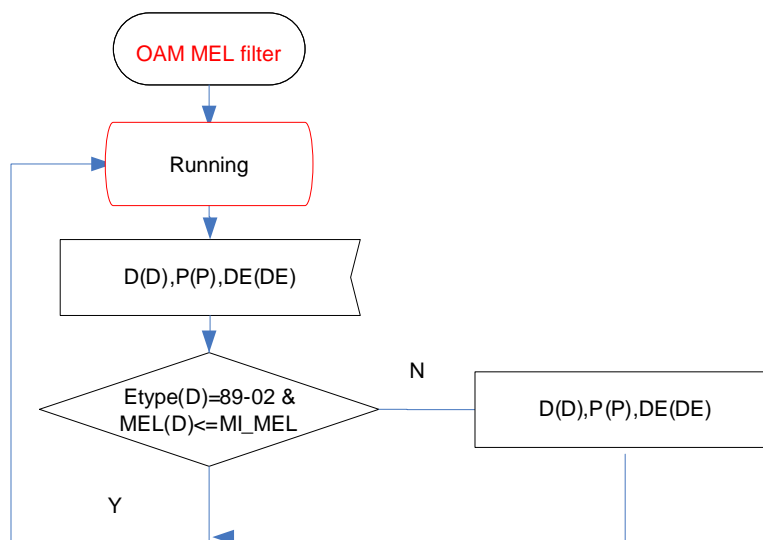


Figure 8-2 – OAM MEL filter behaviour

3.5 Figure 8-4

Replace the figure with following:

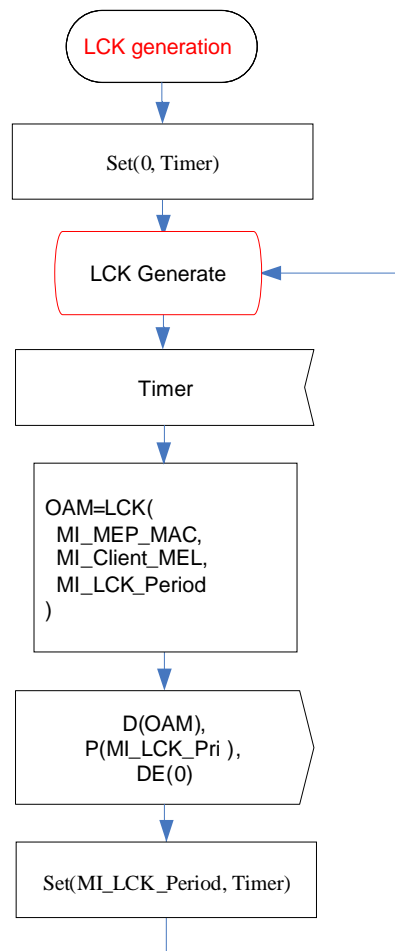


Figure 8-4 – LCK generation behaviour

3.6 Figure 8-7

Replace the figure with following:



Figure 8-7 – Selector behaviour

3.7 Figure 8-9

Replace the figure with following:

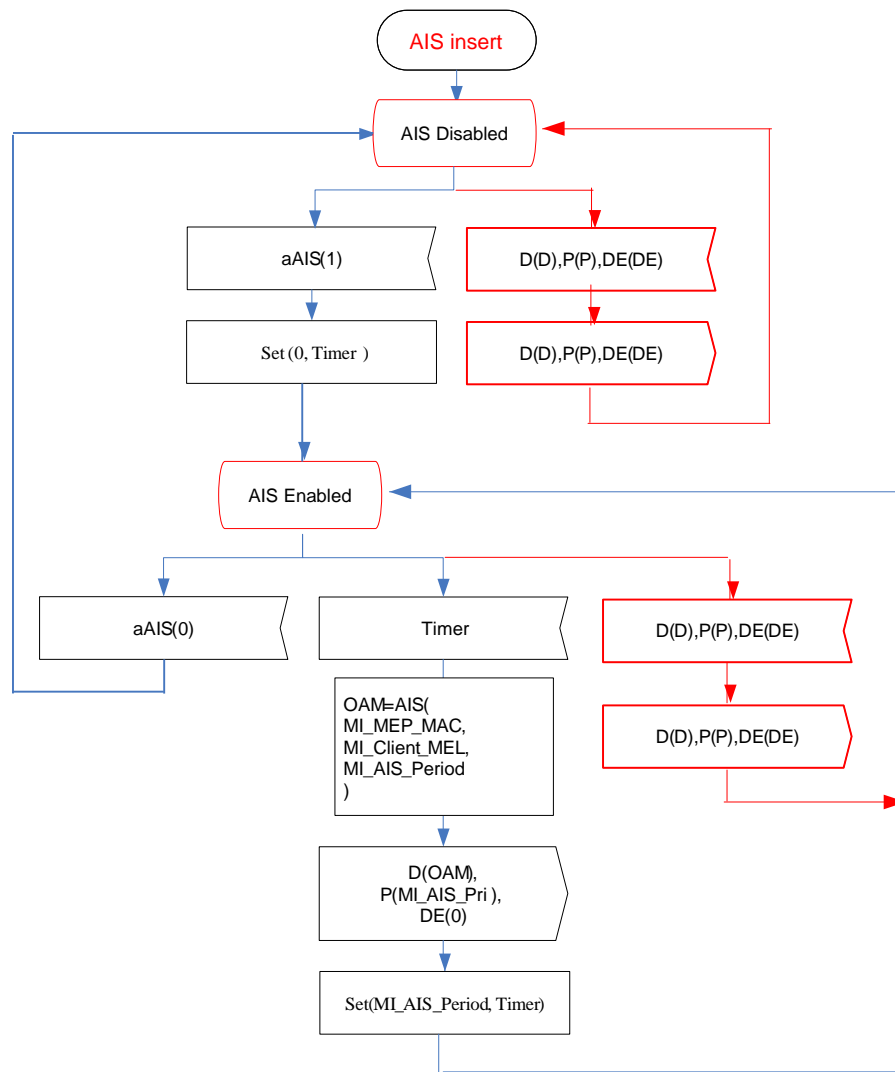


Figure 8-9 – AIS insert behaviour

3.8 Figure 8-12

Replace the figure with following:

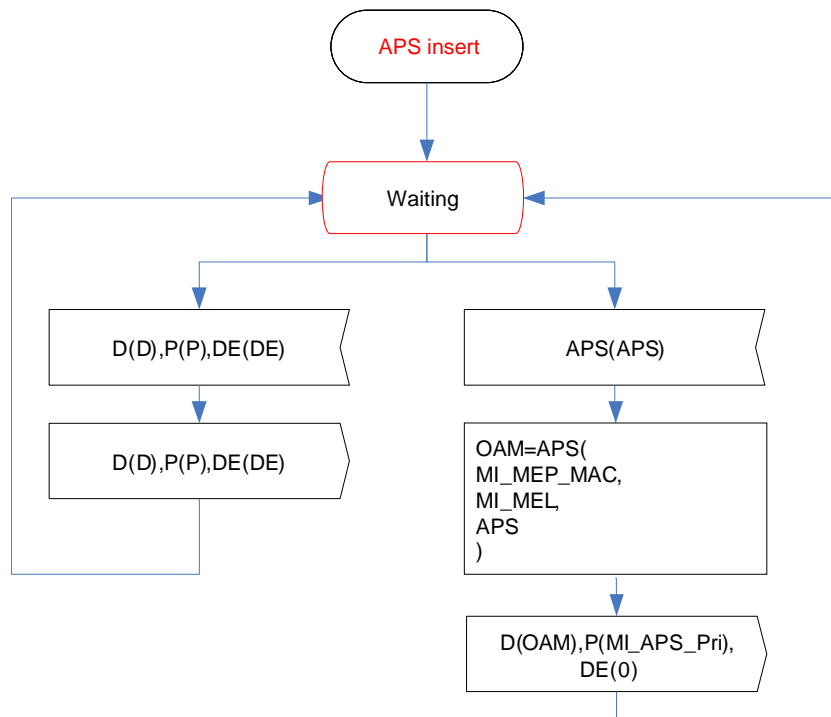


Figure 8-12 – APS insert behaviour

3.9 Figure 8-15

Replace the figure with following:

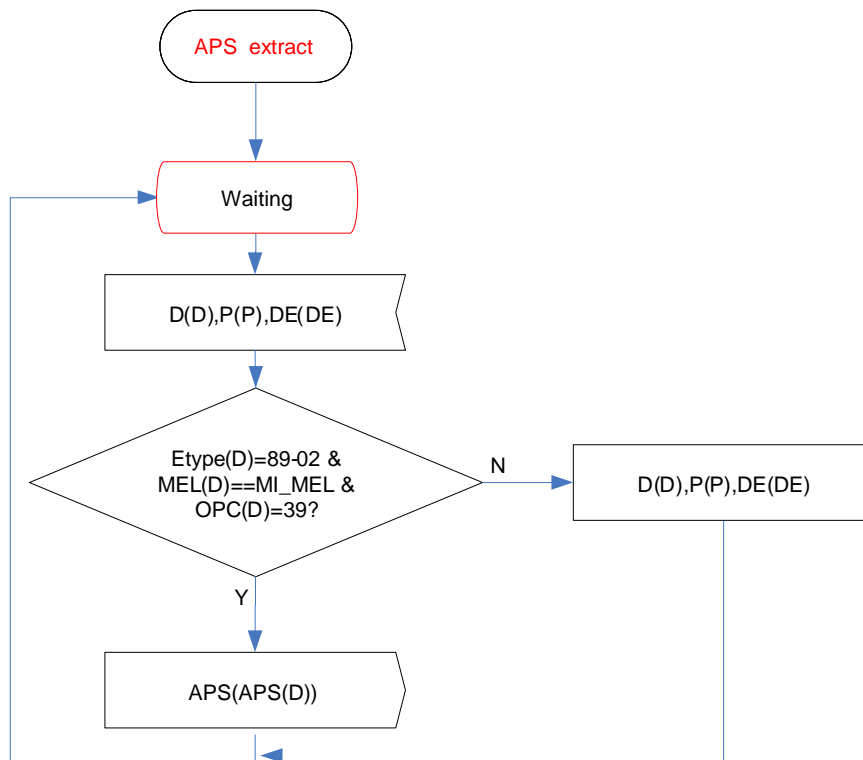


Figure 8-15 – APS extract behaviour

3.10 Figure 8-17

Replace the figure with following:

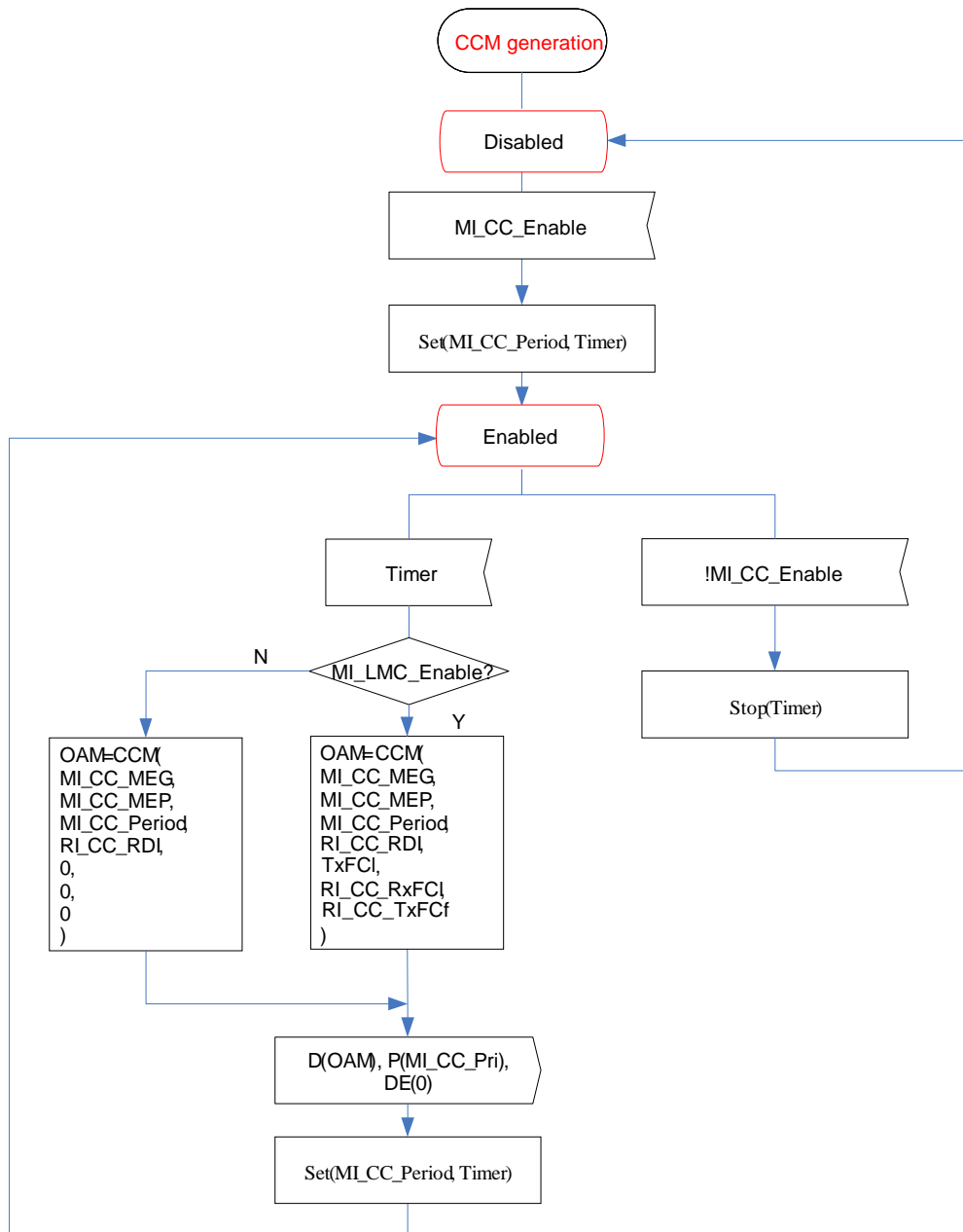


Figure 8-17 – CCM generation behaviour

3.11 Figure 8-19

Replace the figure with following:

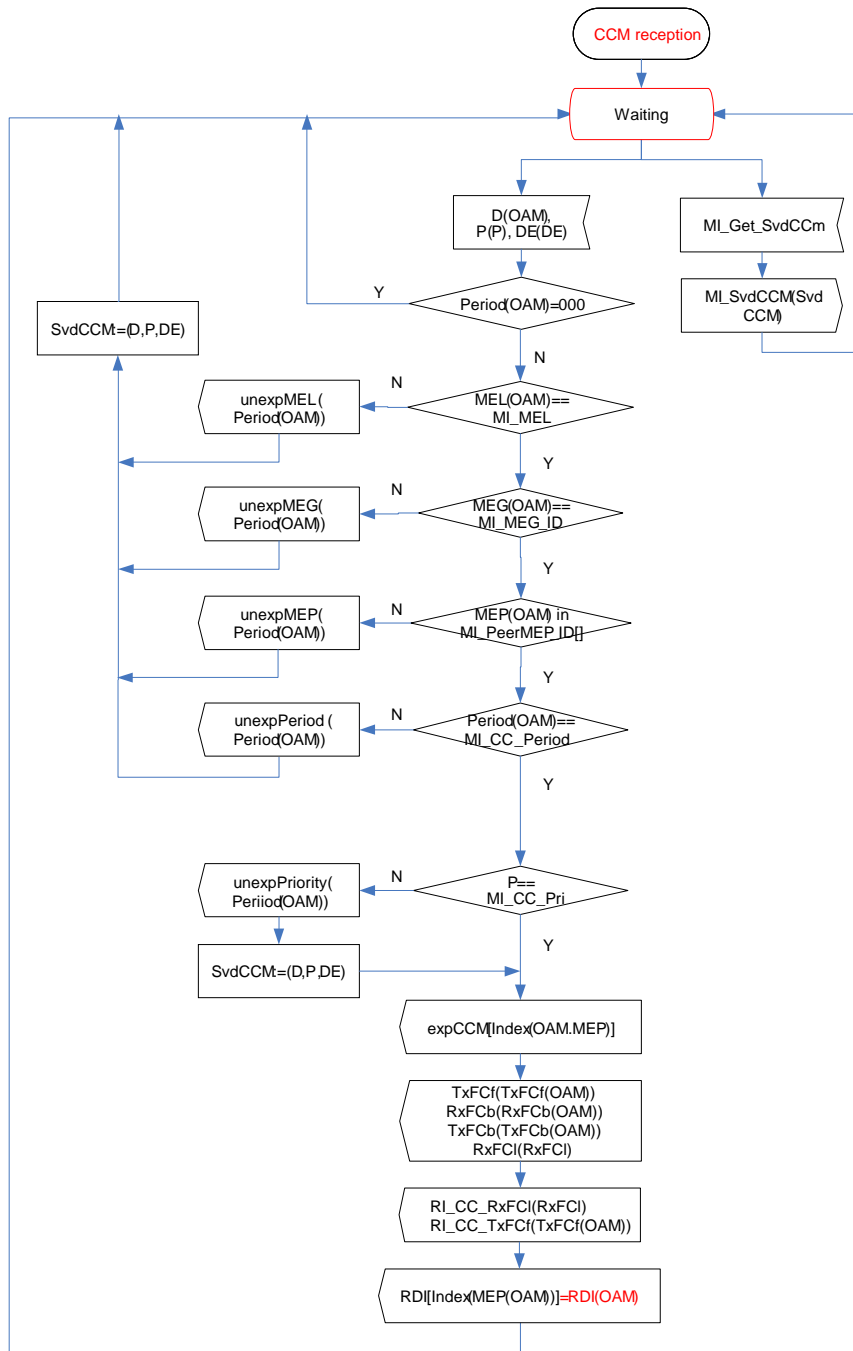


Figure 8-19 – CCM reception behaviour

3.12 Figure 8-20

Replace the figure with following:

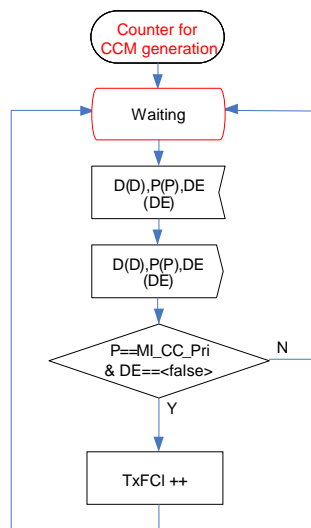


Figure 8-20 – Counter behaviour for CCM generation

3.13 Figure 8-21

Replace the figure with following:

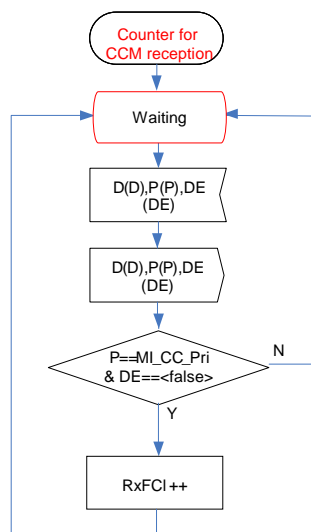


Figure 8-21 – Counter behaviour for CCM reception

3.14 Figure 8-22

Replace the figure with following:

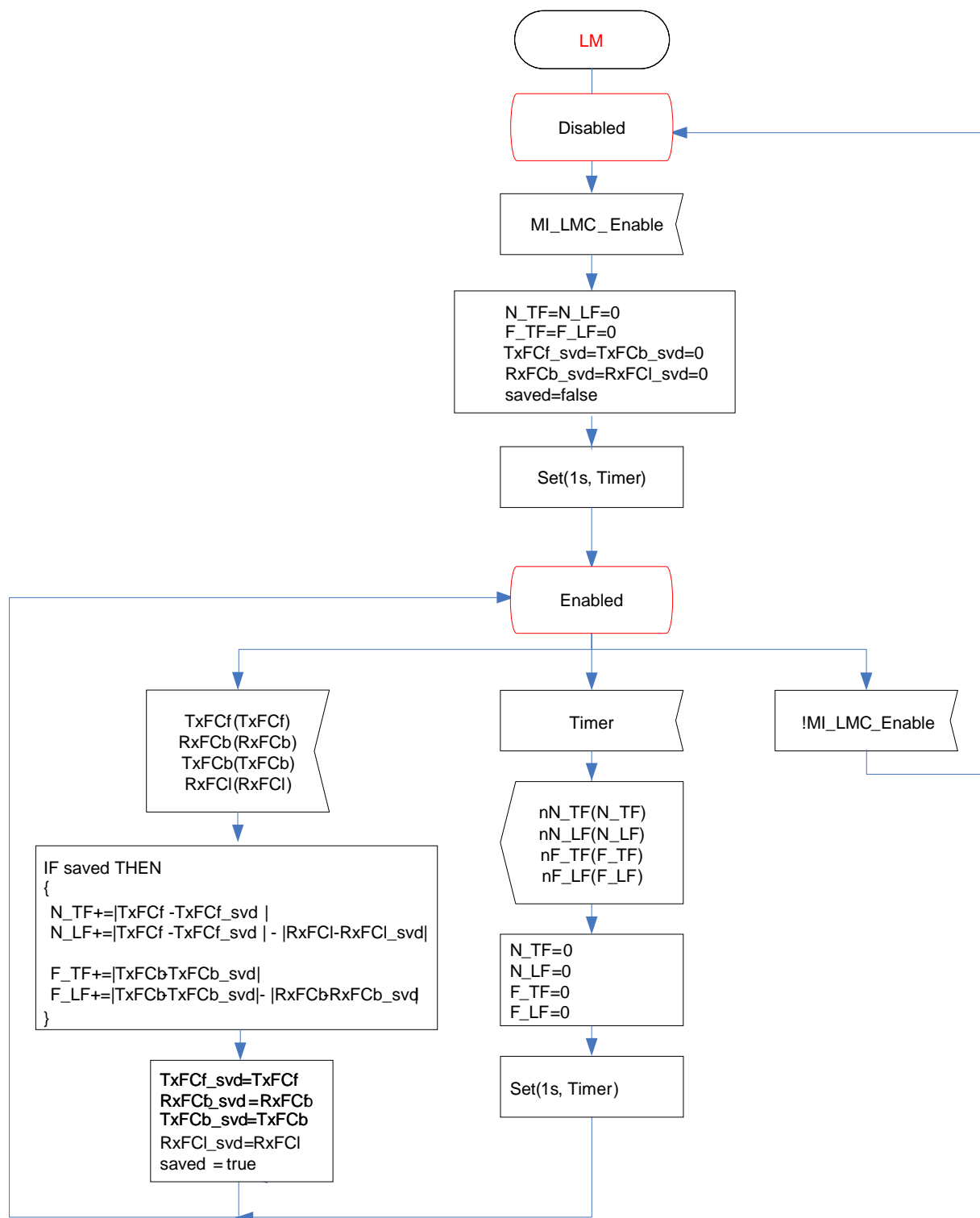


Figure 8-22 – LM process behaviour

3.15 Figure 8-24

Replace the figure with following:

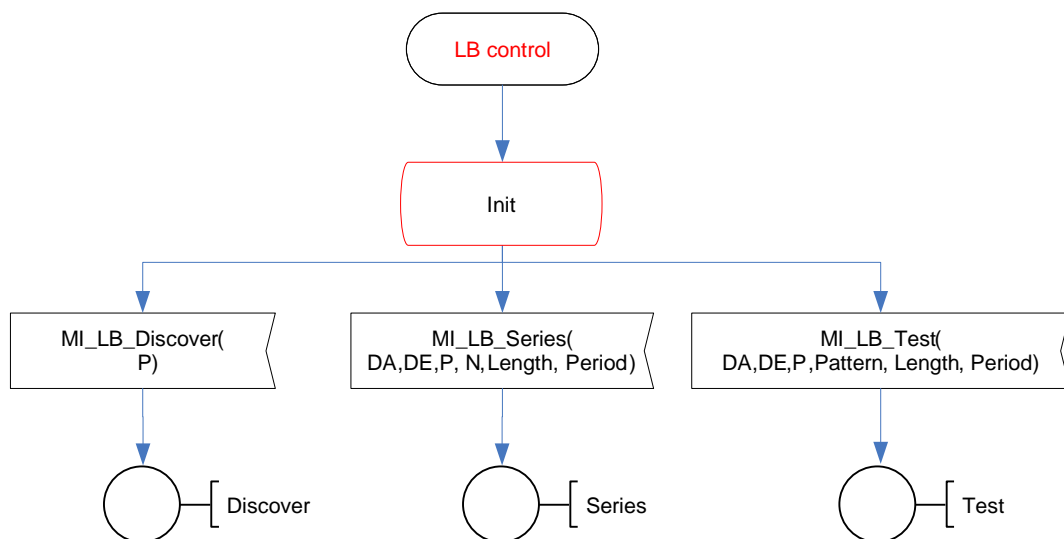


Figure 8-24 –LB control behaviour

3.16 Figure 8-25

Replace the figure with following:

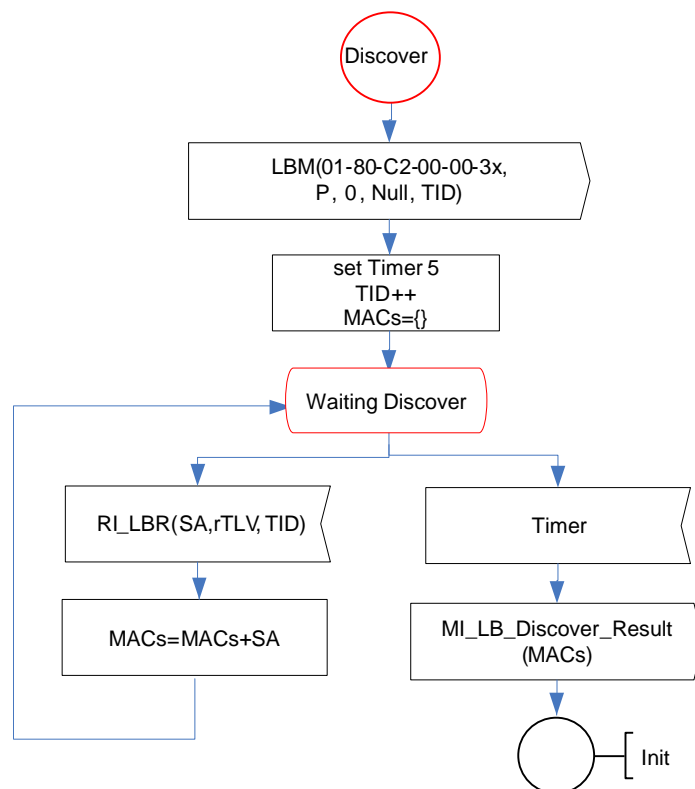


Figure 8-25 – LB control discover behaviour

3.17 Figure 8-26

Replace the figure with following:

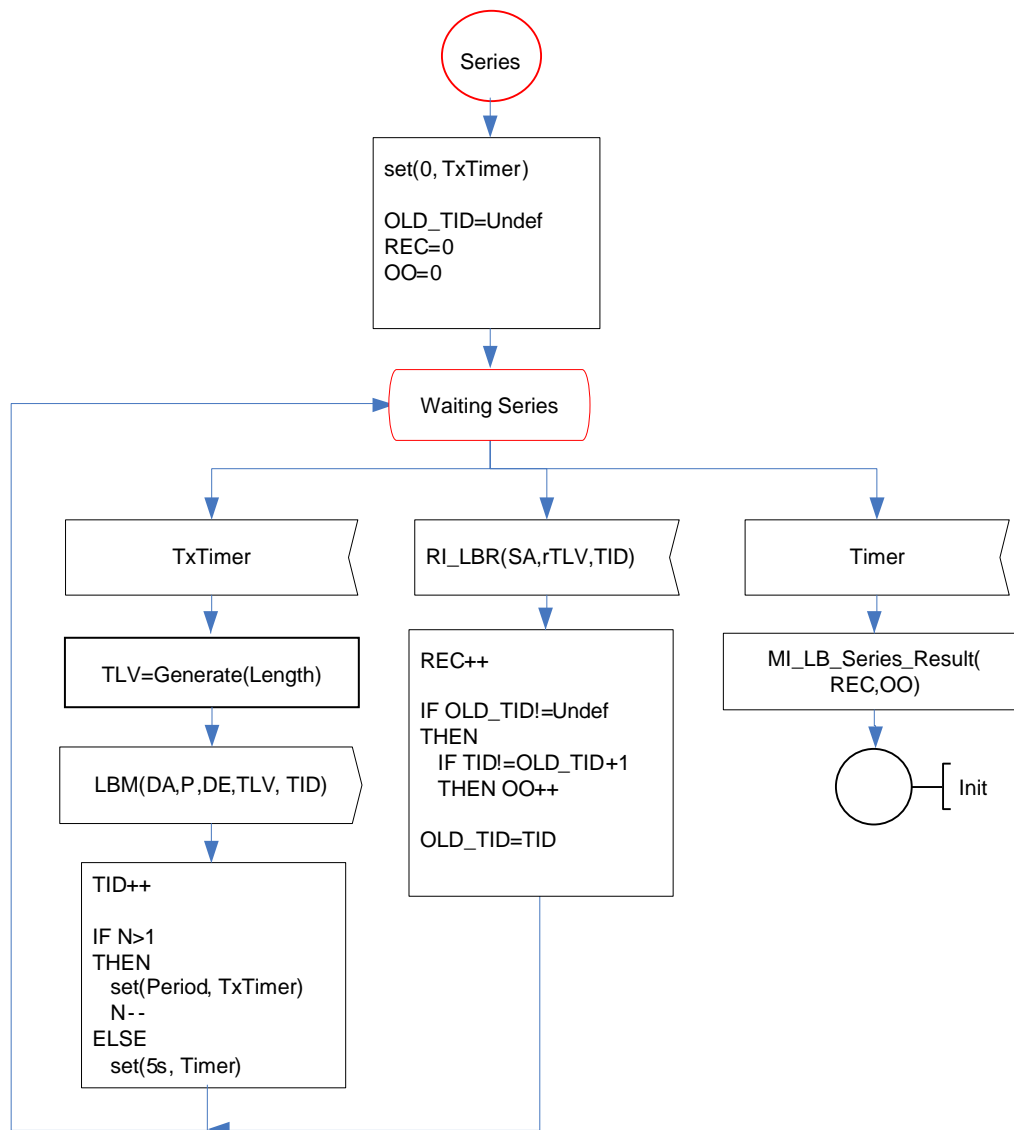


Figure 8-26 – LB control series behaviour

3.18 Figure 8-27

Replace the figure with following:

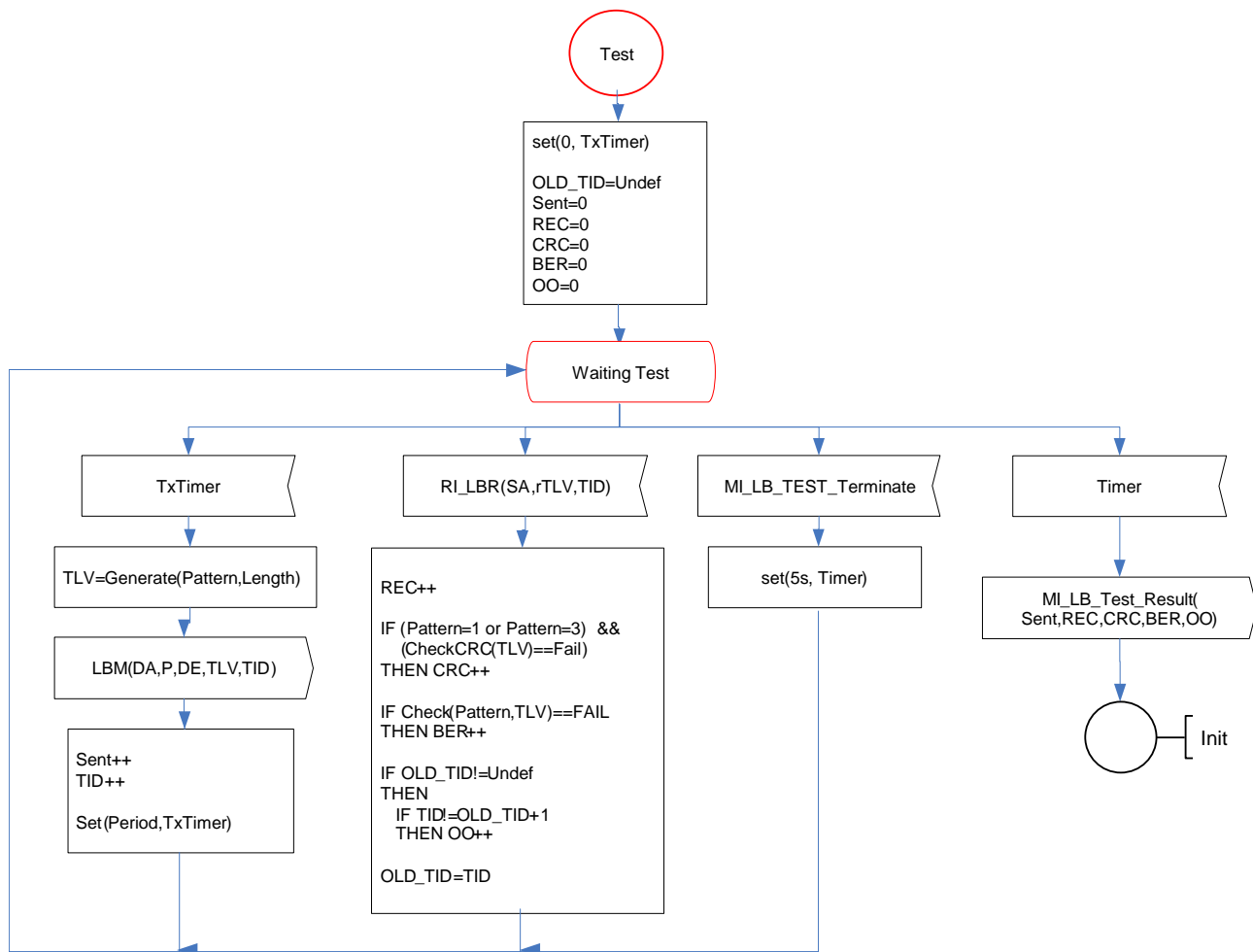


Figure 8-27 – LB control test behaviour

3.19 Figure 8-28

Replace the figure with following:

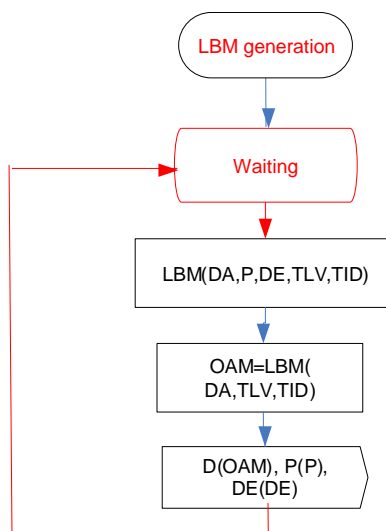


Figure 8-28 – LBM generation behaviour

3.20 Figure 8-30

Replace the figure with following:

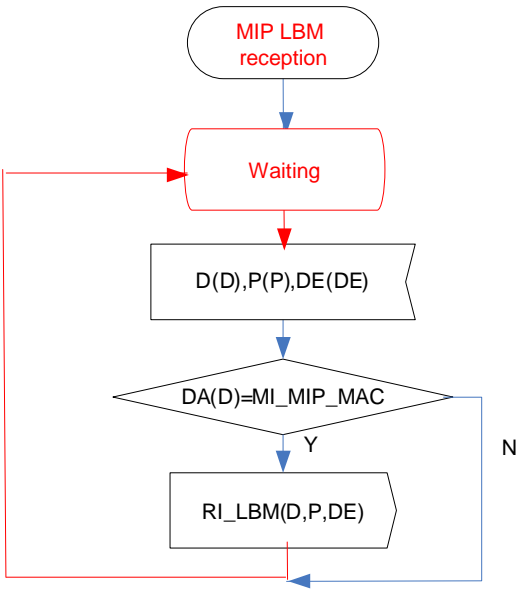


Figure 8-30 – MIP LBM reception behaviour

3.21 Figure 8-31

Replace the figure with following:

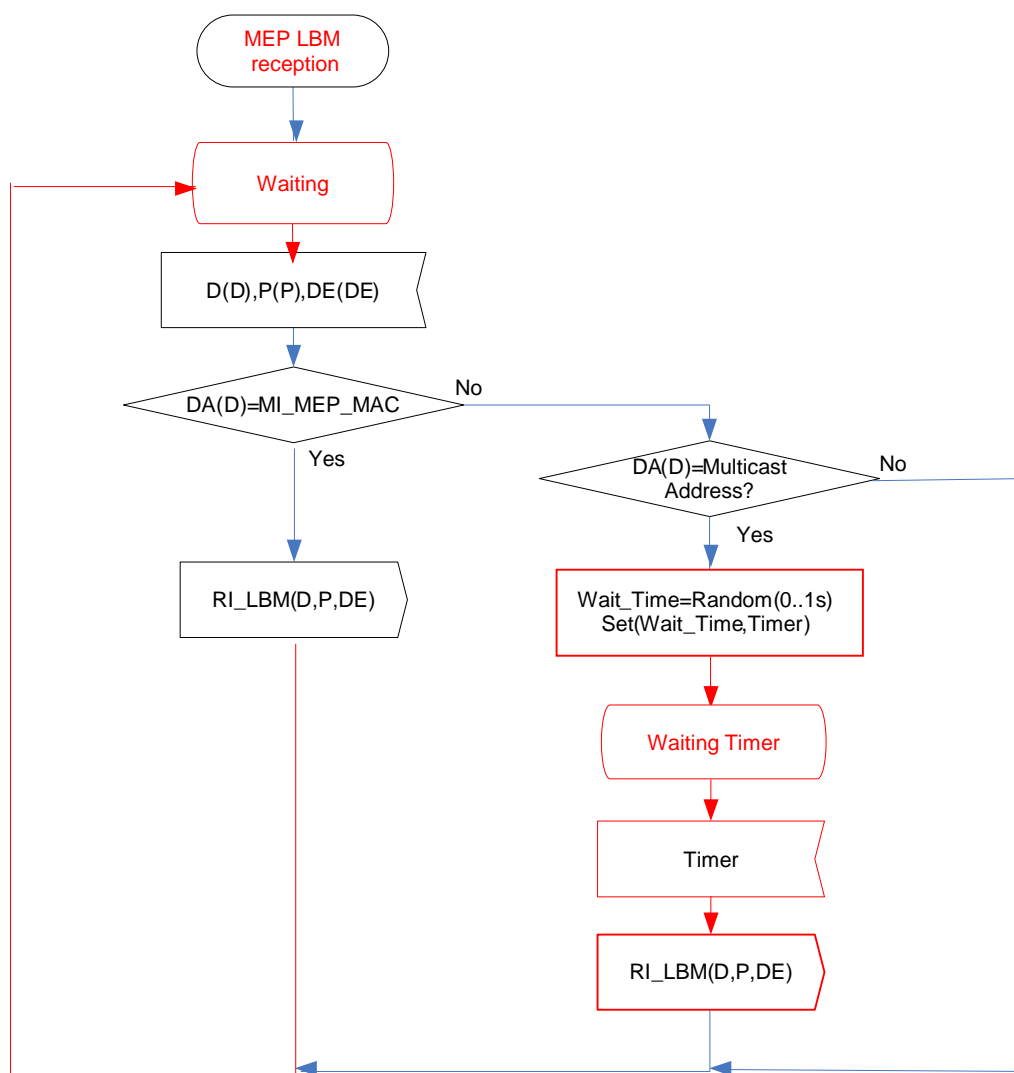


Figure 8-31 – MEP LBM reception behaviour

3.22 Figure 8-32

Replace the figure with following:

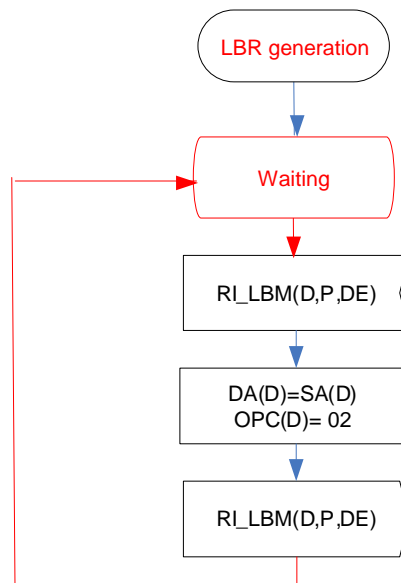


Figure 8-32 – LBR generation behaviour

3.23 Figure 8-34

Replace the figure with following:

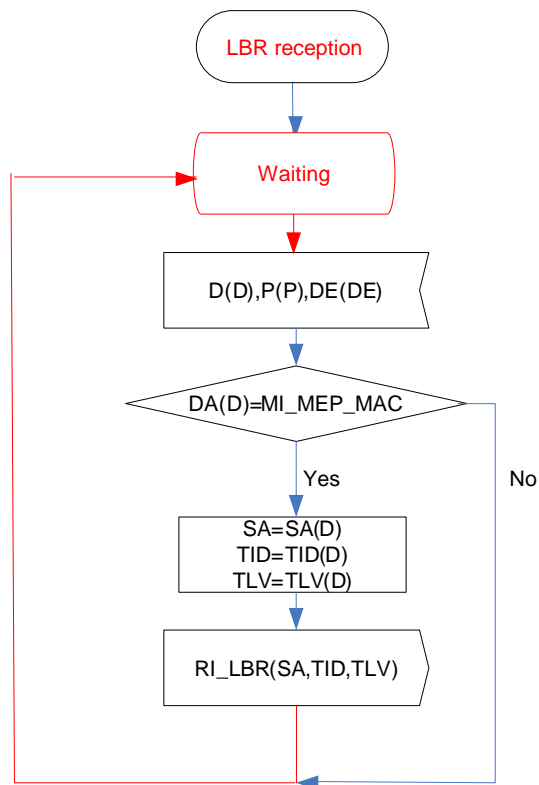


Figure 8-34 – LBR reception behaviour

3.24 Figure 8-37

Replace the figure with following:

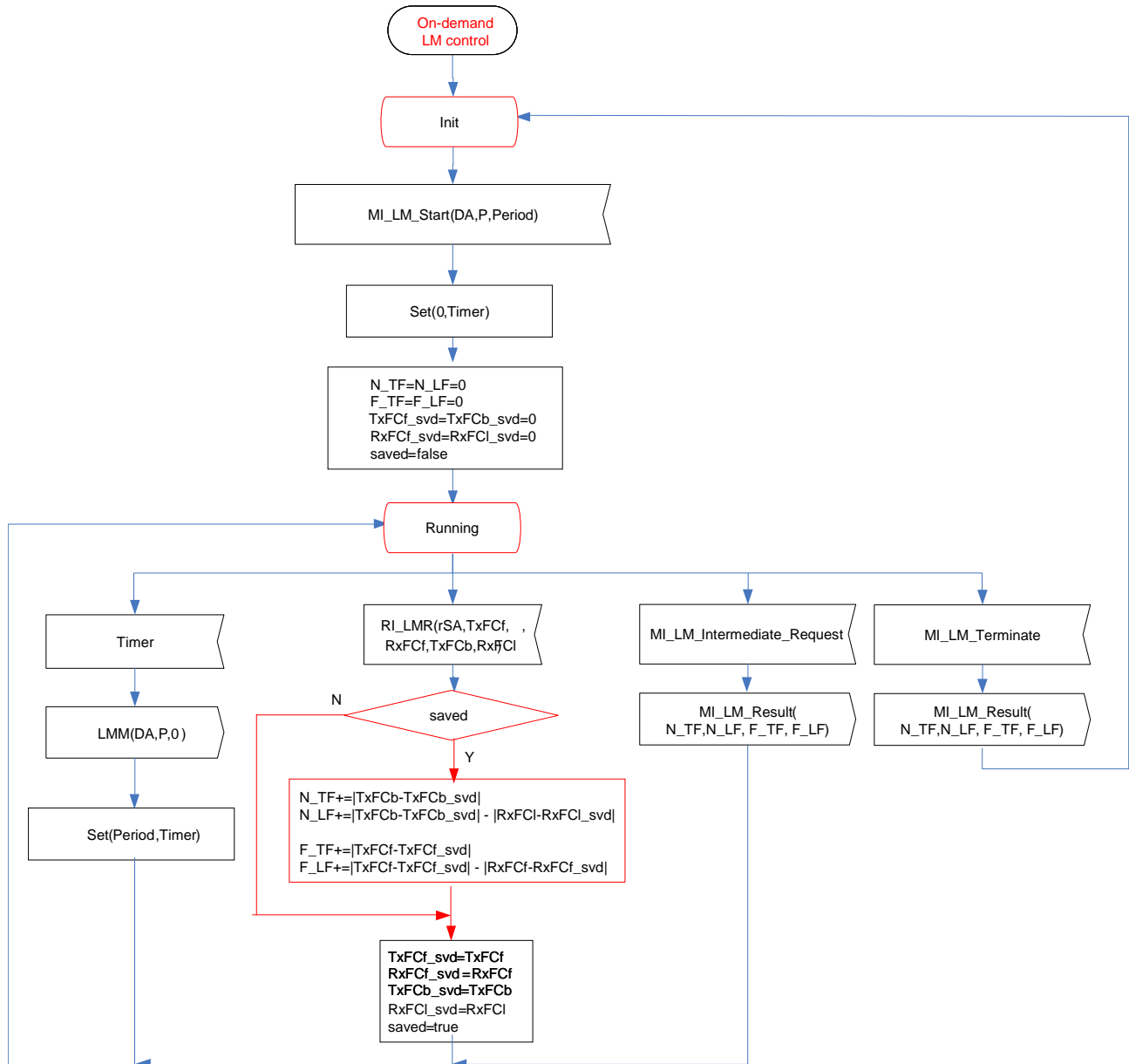


Figure 8-37 – On-demand LM control behaviour

3.25 Figure 8-38

Replace the figure with following:

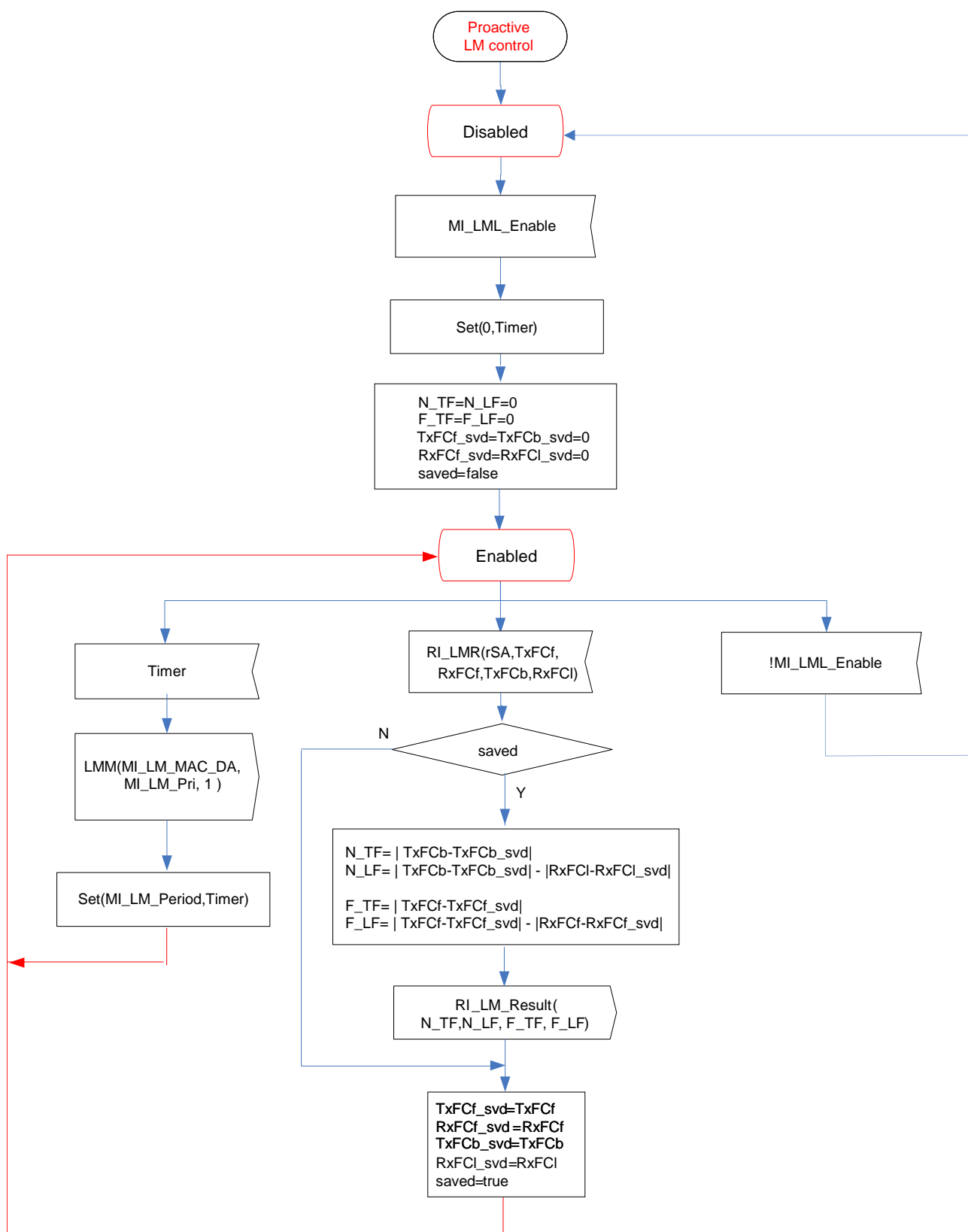


Figure 8-38 – Proactive LM control behaviour

3.26 Figure 8-39

Replace the figure with following:

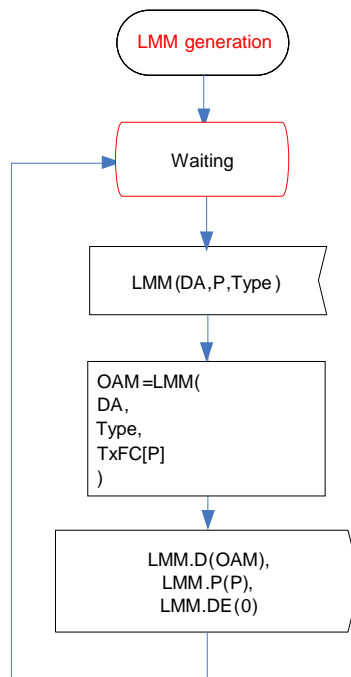


Figure 8-39 – LMM generation behaviour

3.27 Figure 8-41

Replace the figure with following:

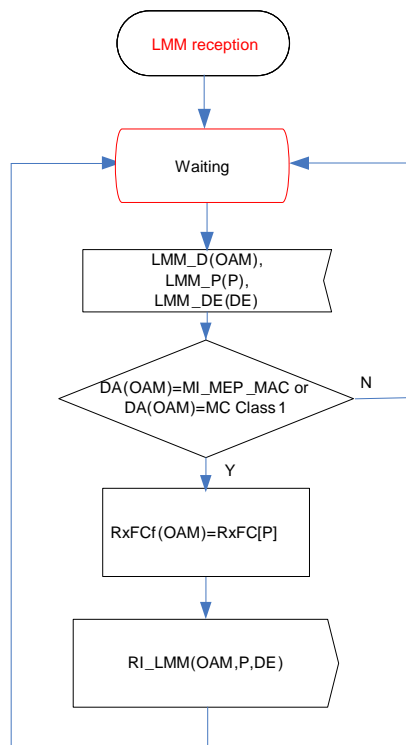


Figure 8-41 – LMM reception behaviour

3.28 Figure 8-42

Replace the figure with following:

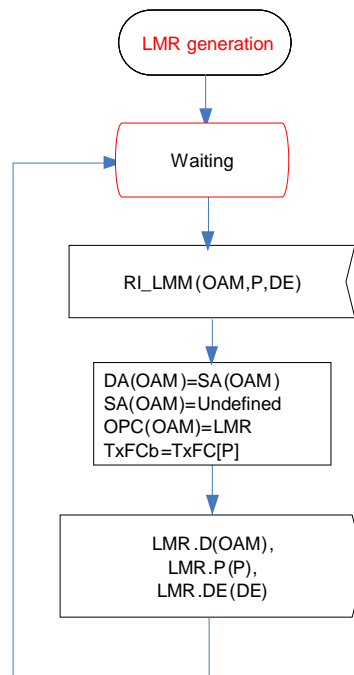


Figure 8-42 – LMR generation behaviour

3.29 Figure 8-44

Replace the figure with following:

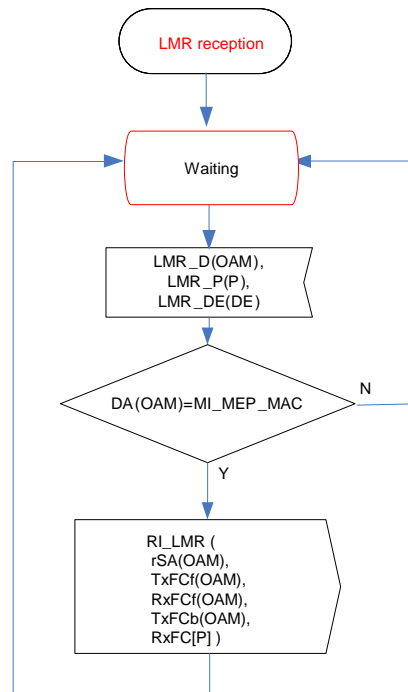


Figure 8-44 – LMR reception behaviour

3.30 Figure 8-45

Replace the figure with following:

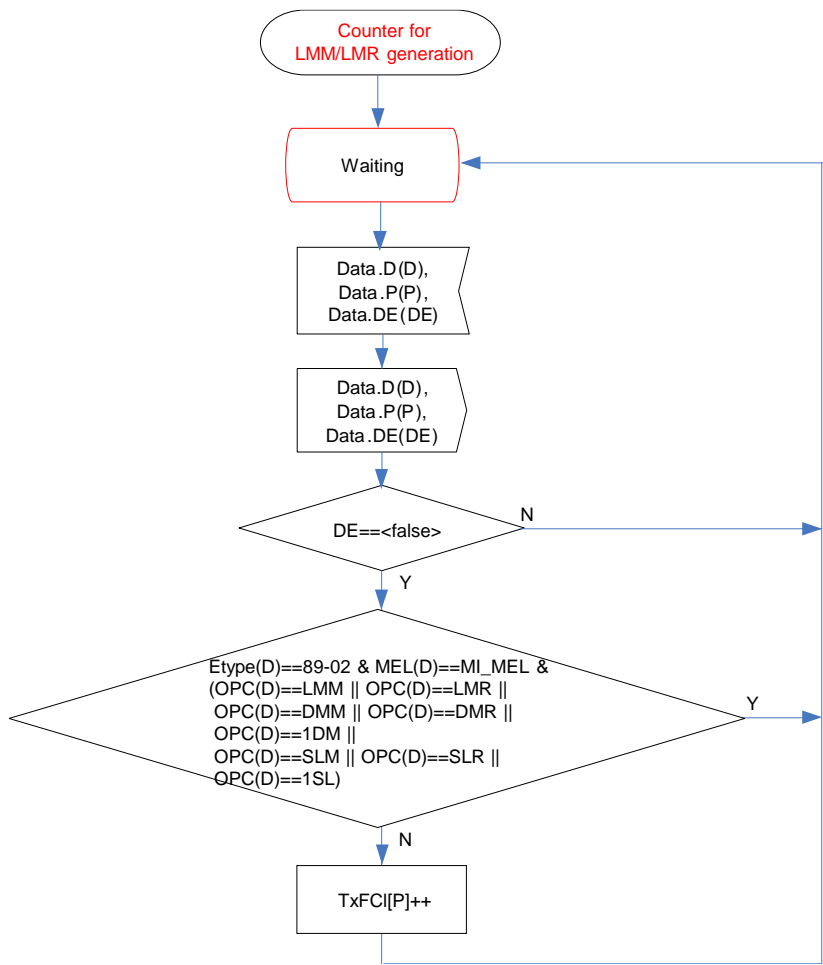


Figure 8-45 – Counter behaviour for LMM/LMR generation

3.31 Figure 8-46

Replace the figure with following:

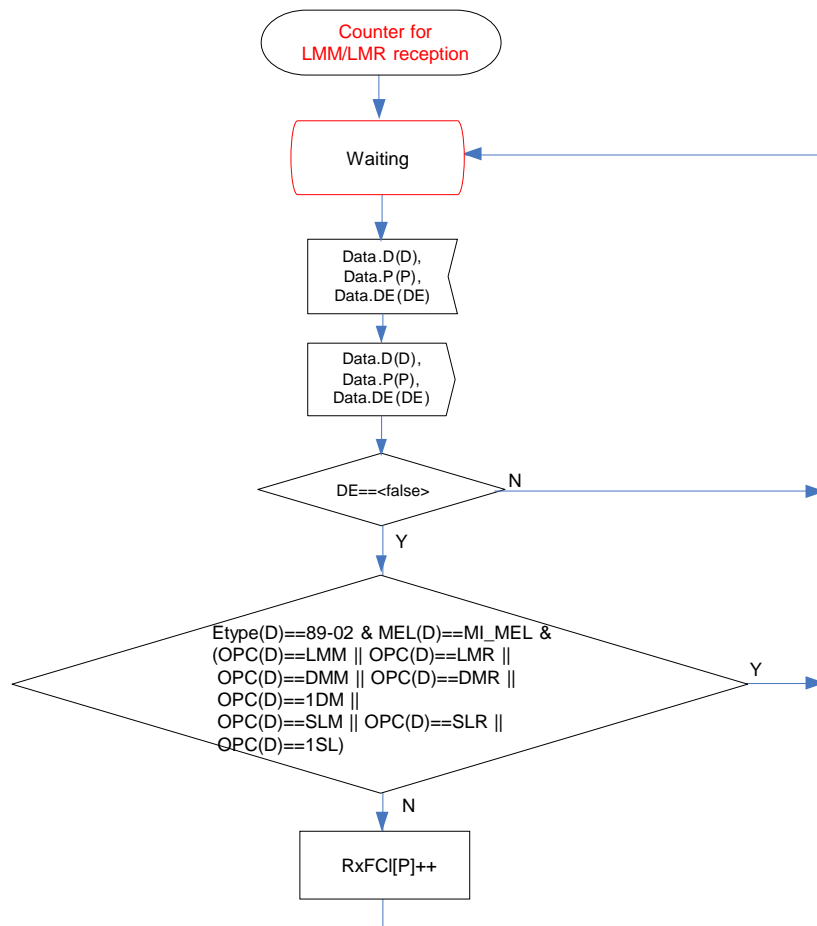


Figure 8-46 – Counter behaviour for LMM/LMR reception

3.32 Figure 8-49

Replace the figure with following:

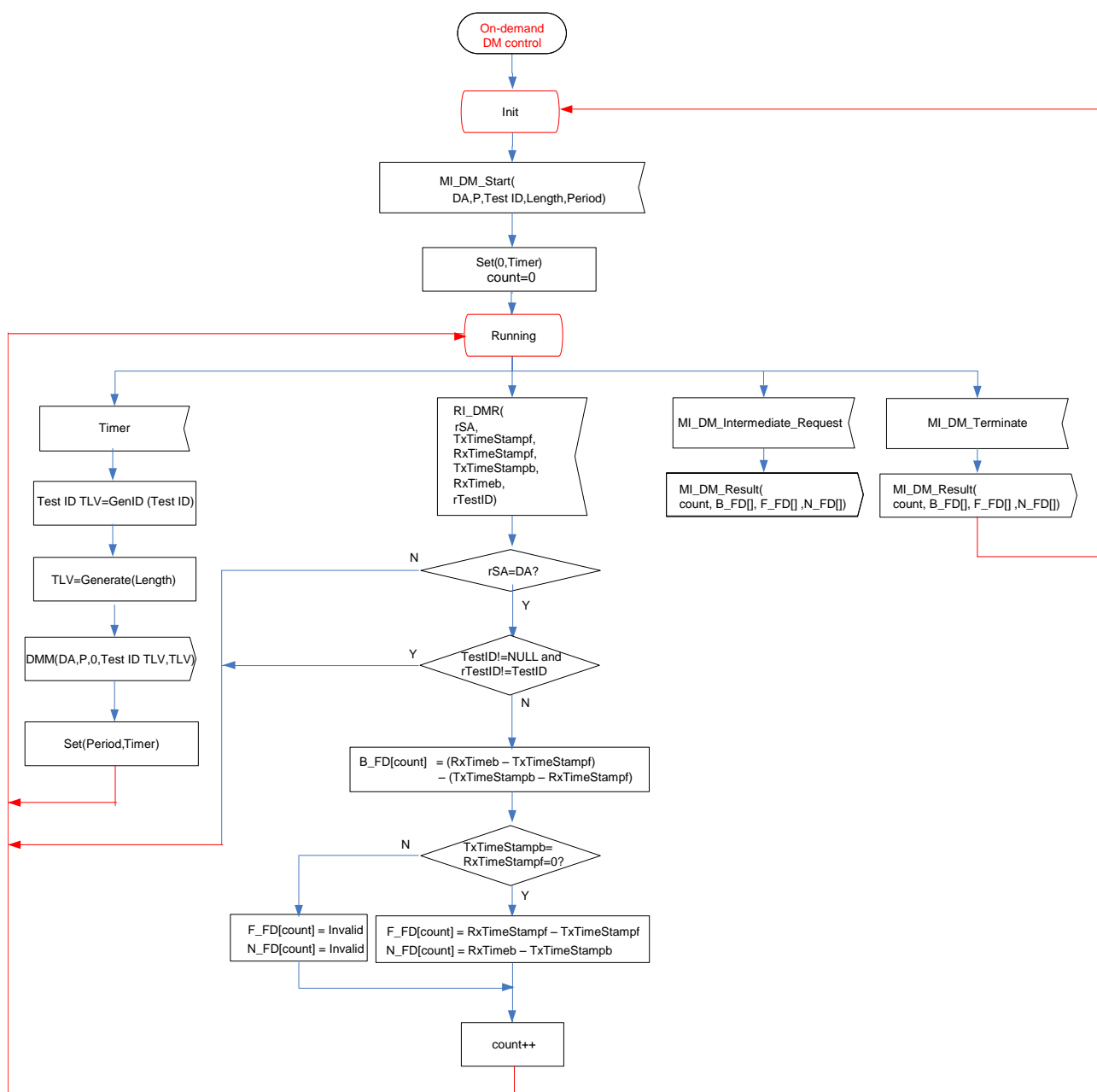


Figure 8-49 – On-demand DM control behaviour

3.33 Figure 8-50

Replace the figure with following:

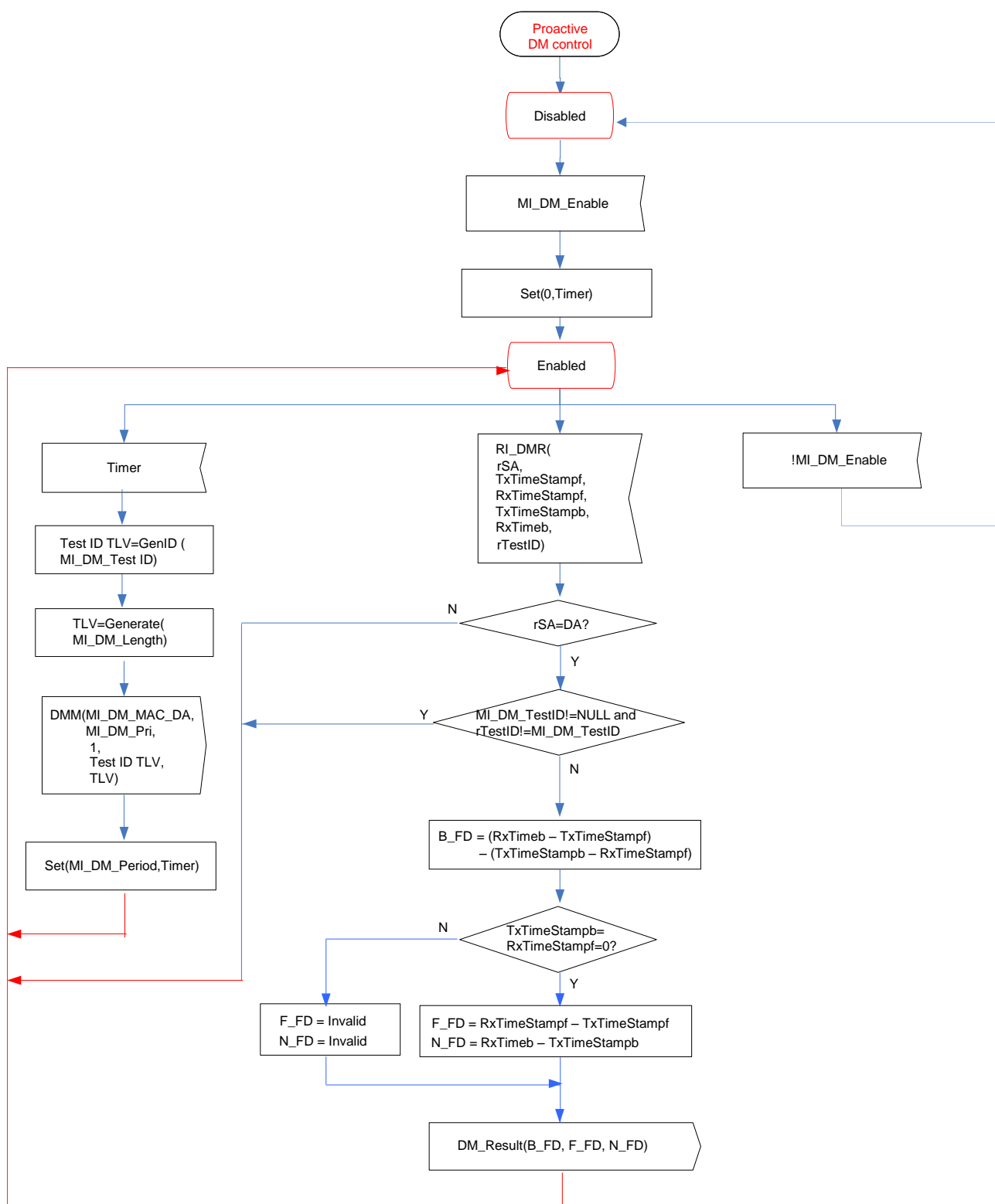


Figure 8-50 – Proactive DM control behaviour

3.34 Figure 8-51

Replace the figure with following:

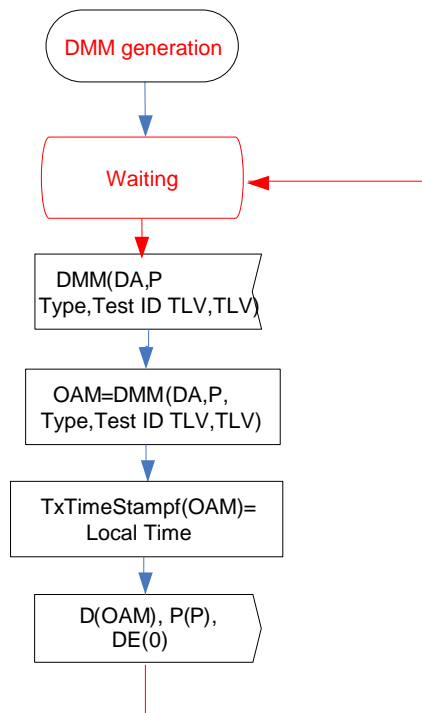


Figure 8-51 – DMM generation behaviour

3.35 Figure 8-53

Replace the figure with following:

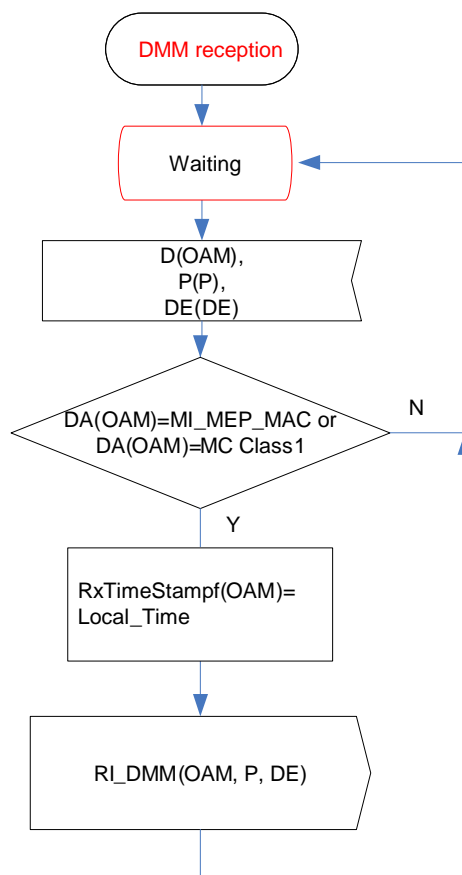


Figure 8-53 – DMM reception behaviour

3.36 Figure 8-54

Replace the figure with following:

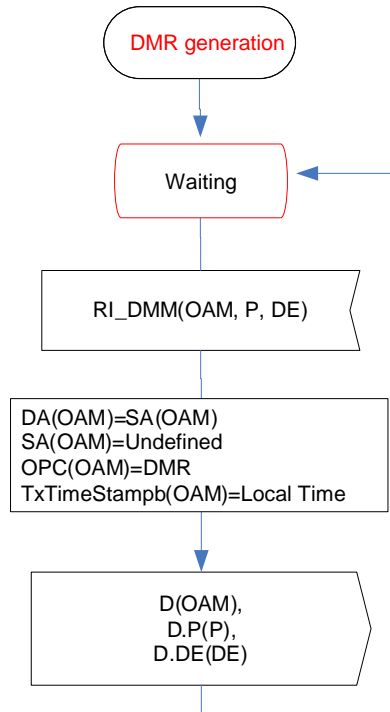


Figure 8-54 – DMR generation behaviour

3.37 Figure 8-56

Replace the figure with following:

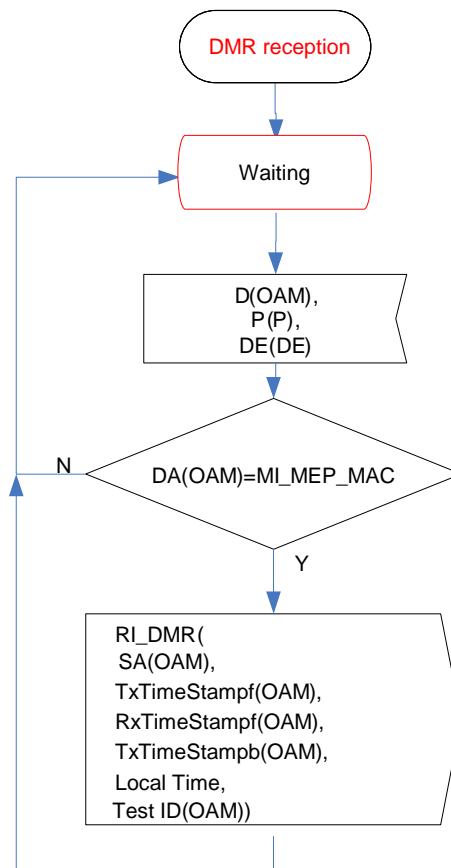


Figure 8-56 – DMR reception behaviour

3.38 Figure 8-59

Replace the figure with following:

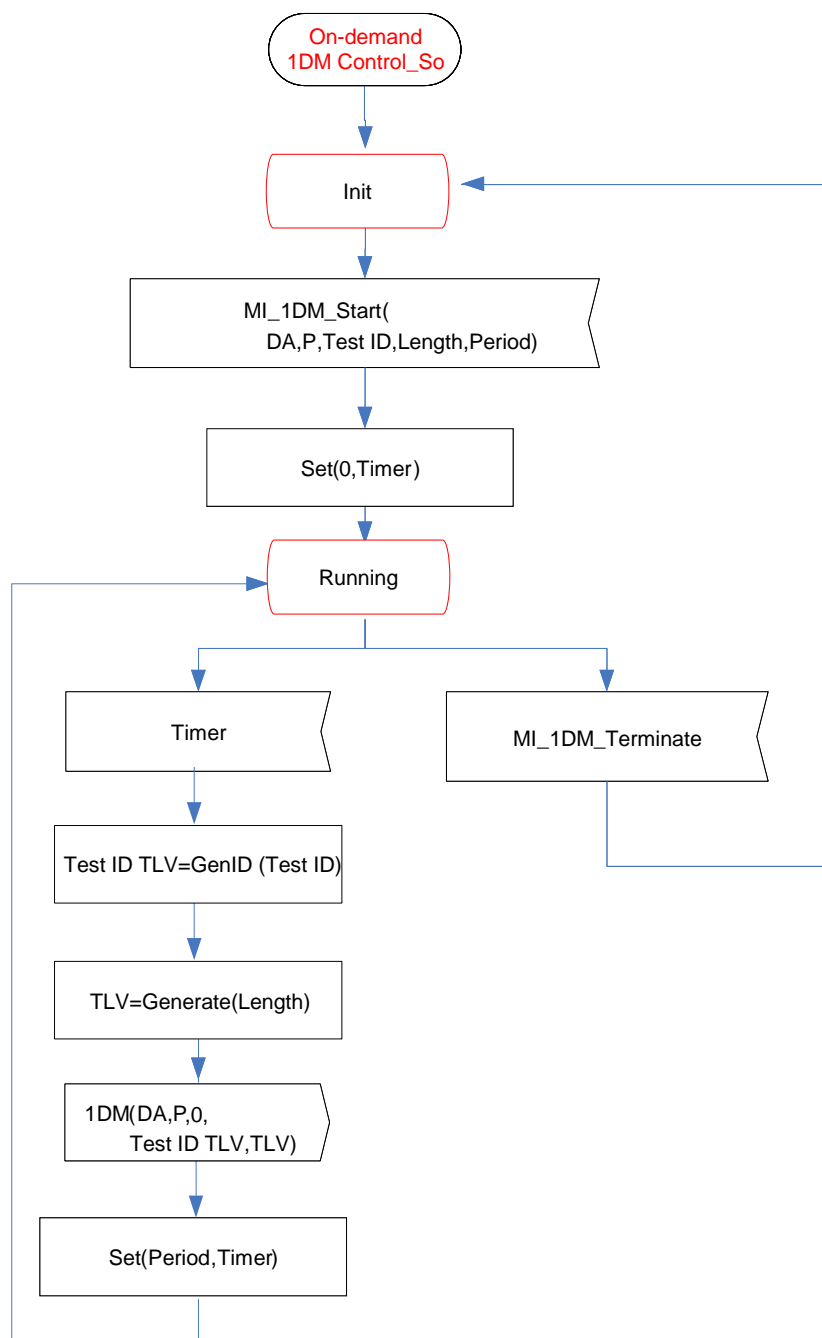


Figure 8-59 – On-demand 1DM Control_So behaviour

3.39 Figure 8-60

Replace the figure with following:

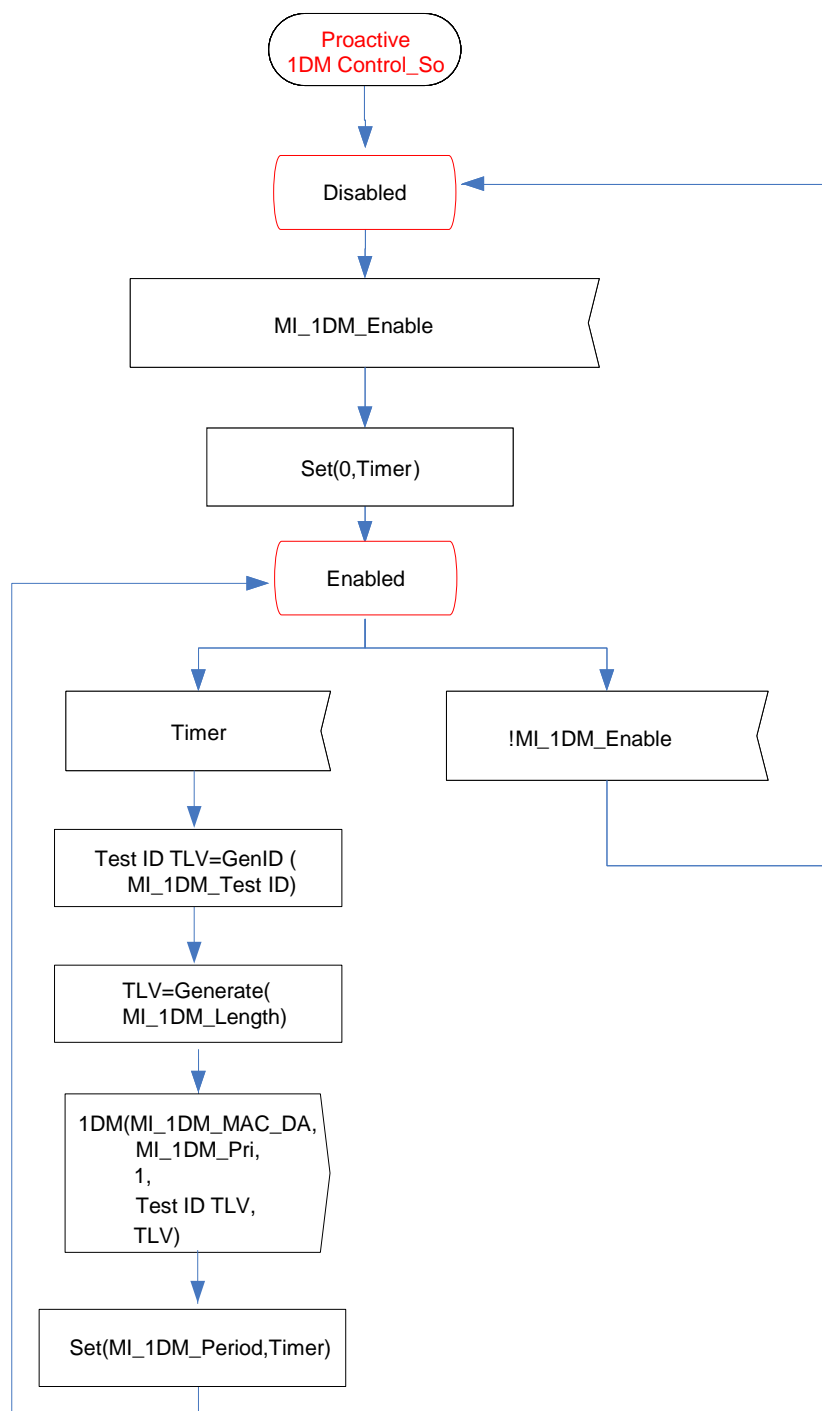


Figure 8-60 – Proactive 1DM Control_So behaviour

3.40 Figure 8-61

Replace the figure with following:

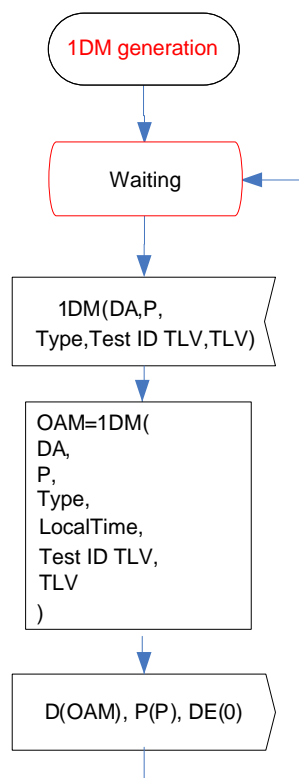


Figure 8-61 – 1DM generation behaviour

3.41 Figure 8-63

Replace the figure with following:

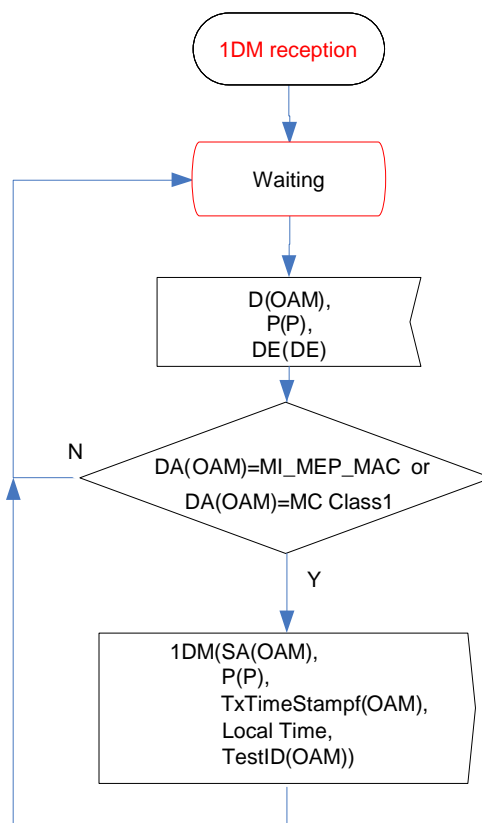


Figure 8-63 – 1DM reception behaviour

3.42 Figure 8-64

Replace the figure with following:

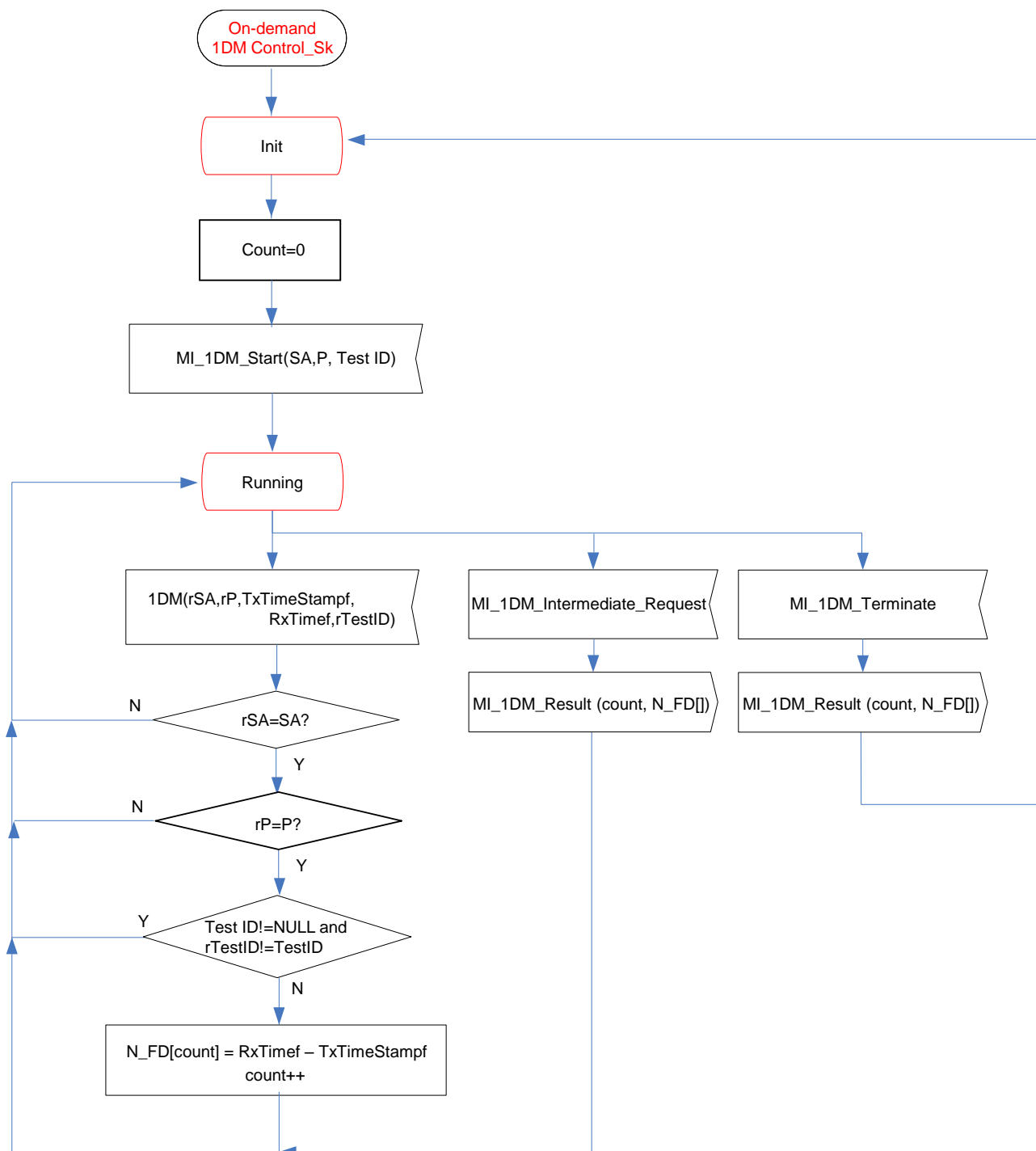


Figure 8-64 – On-demand 1DM Control_Sk process

3.43 Figure 8-65

Replace the figure with following:

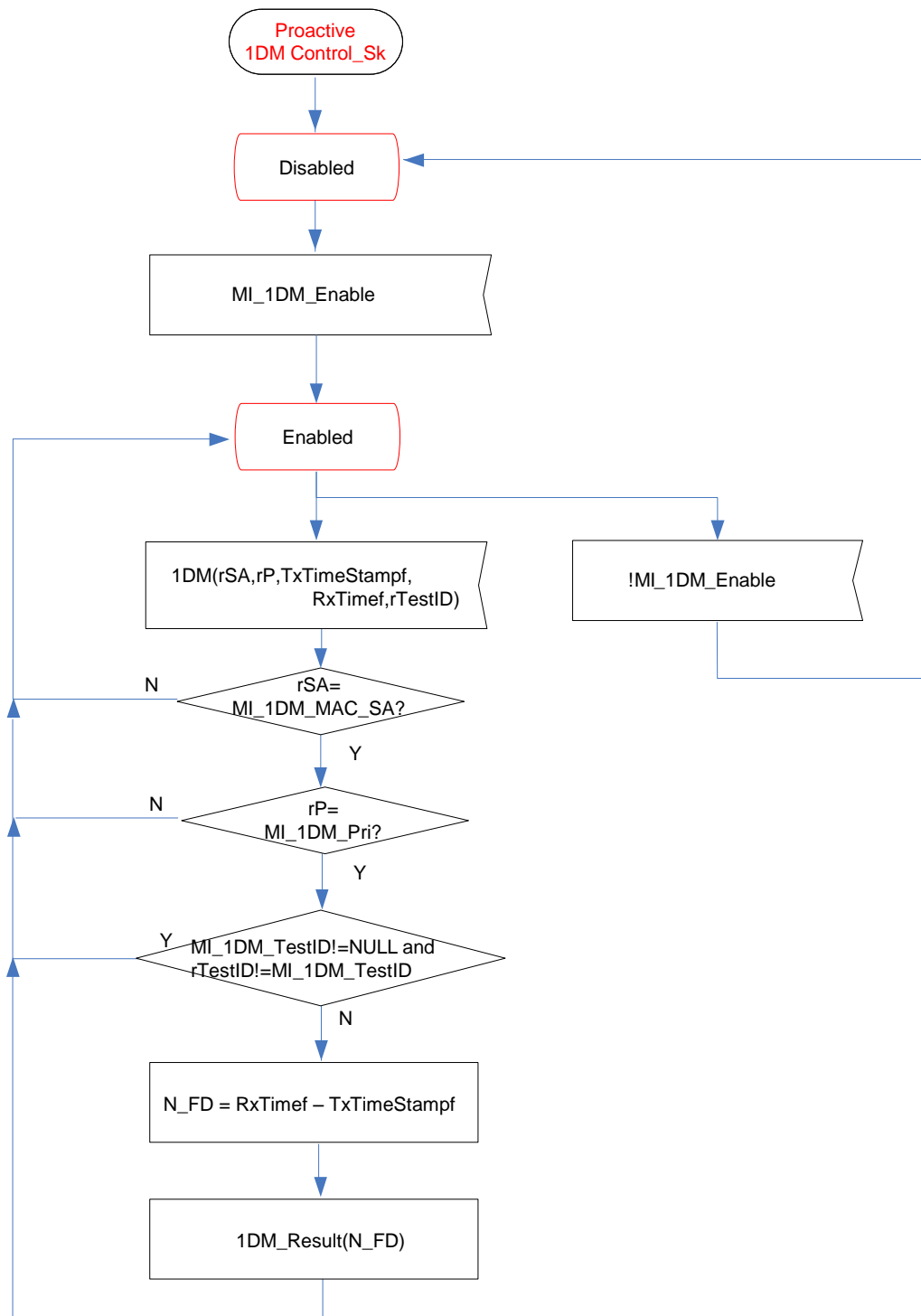


Figure 8-65 – Proactive 1DM Control_Sk process

3.44 Figure 8-67

Replace the figure with following:

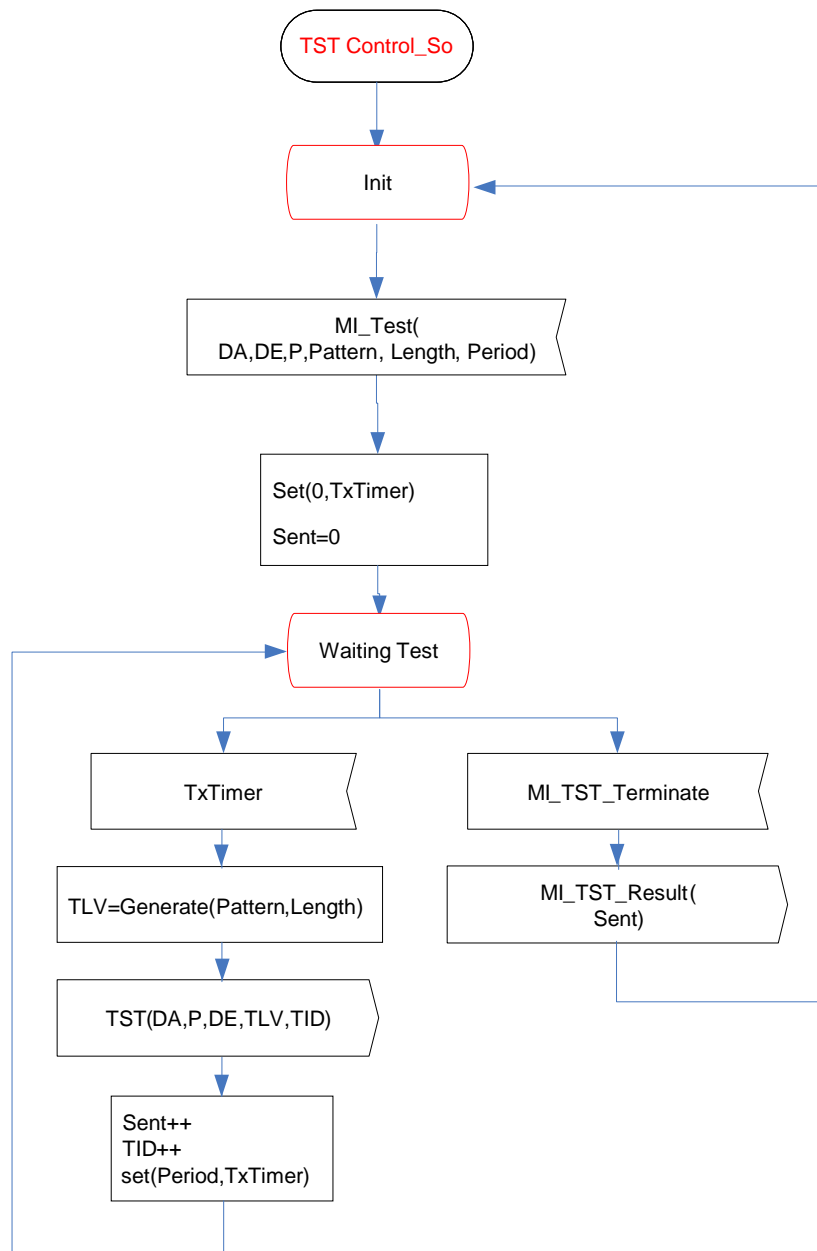


Figure 8-67 – TST Control_So behaviour

3.45 Figure 8-68

Replace the figure with following:

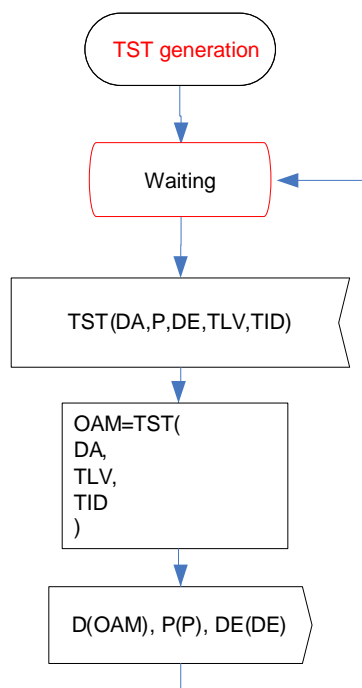


Figure 8-68 – TST generation behaviour

3.46 Figure 8-70

Replace the figure with following:

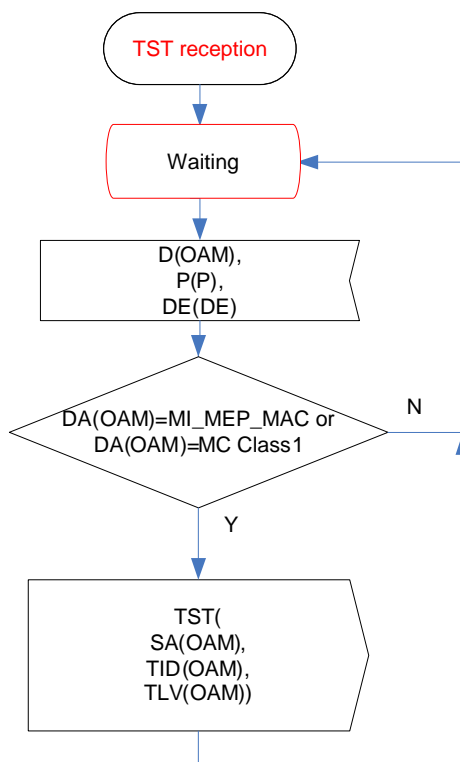


Figure 8-70 – TST reception behaviour

3.47 Figure 8-71

Replace the figure with following:

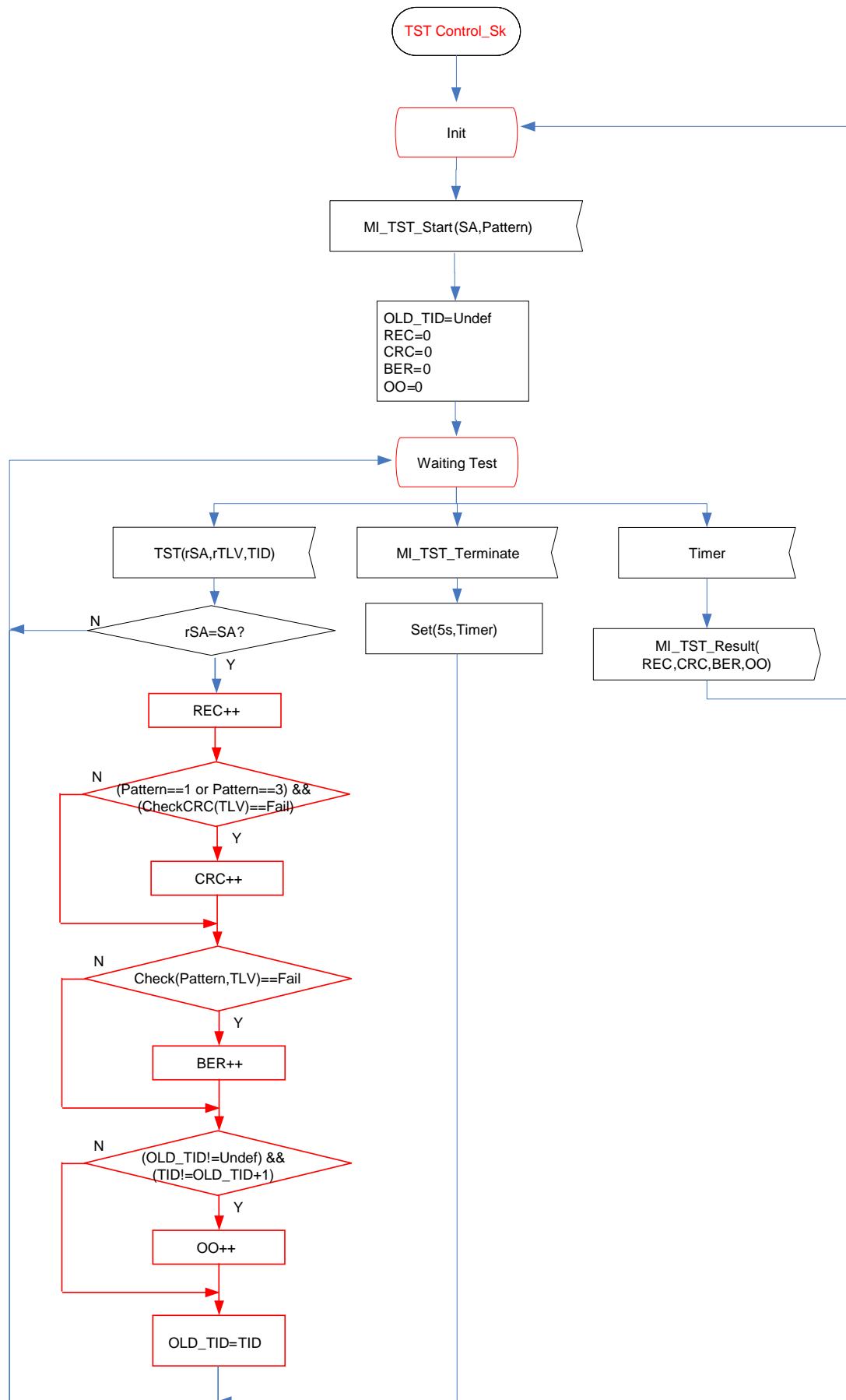


Figure 8-71 – TST Control_Sk behaviour

3.48 Figure 8-73

Replace the figure with following:

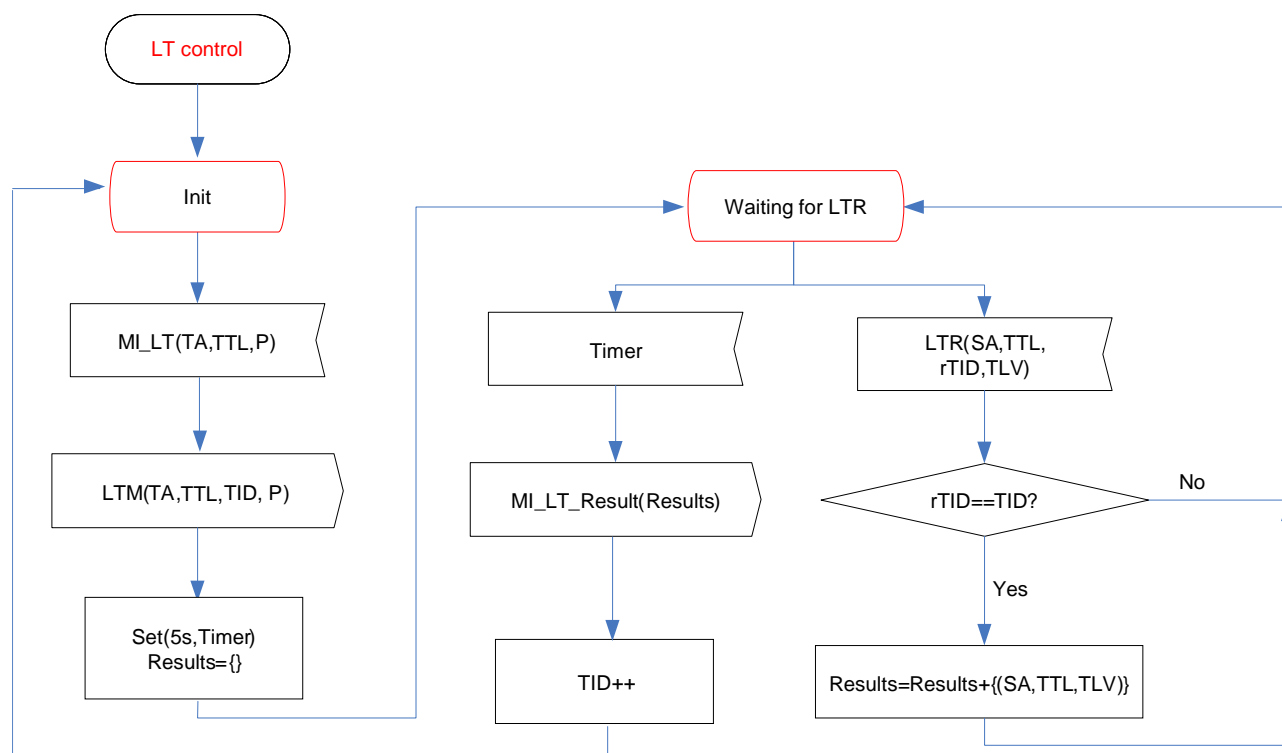


Figure 8-73 – LT control behaviour

3.49 Figure 8-74

Replace the figure with following:

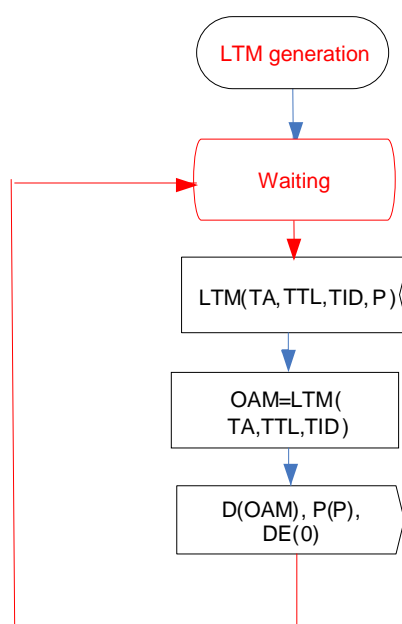


Figure 8-74 – LTM generation behaviour

3.50 Figure 8-76

Replace the figure with following:

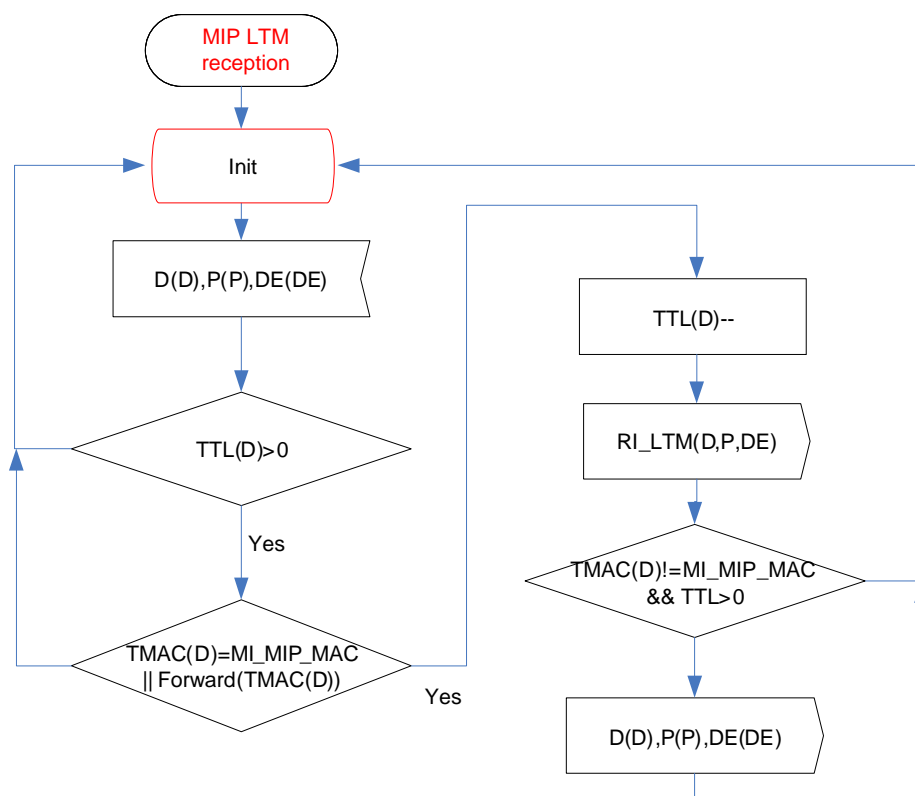


Figure 8-76 – MIP LTM reception behaviour

3.51 Figure 8-77

Replace the figure with following:

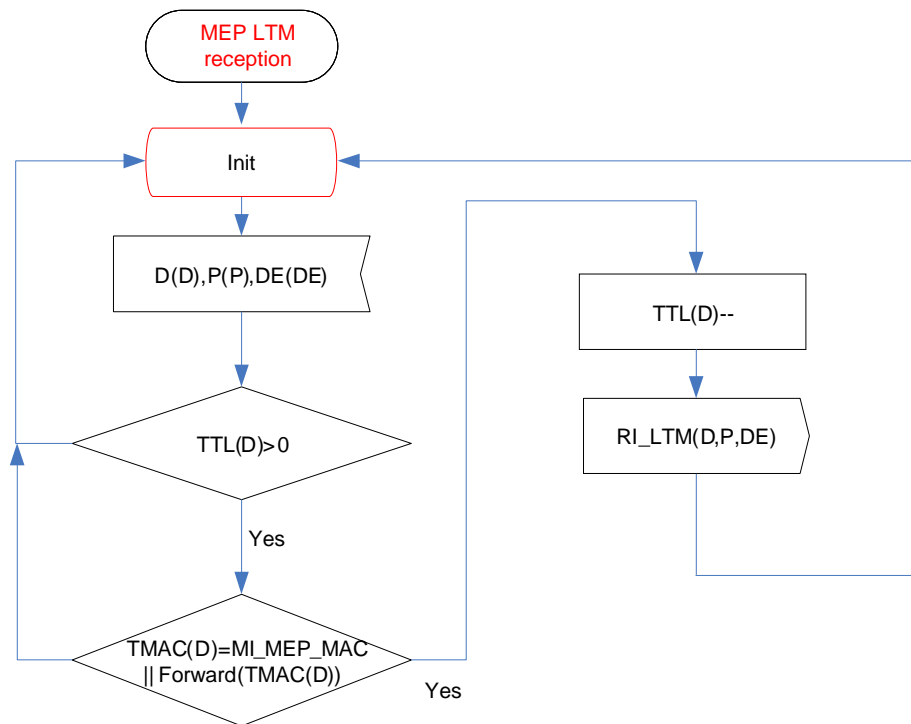


Figure 8-77 – MEP LTM Reception Behaviour

3.52 Figure 8-78

Replace the figure with following:

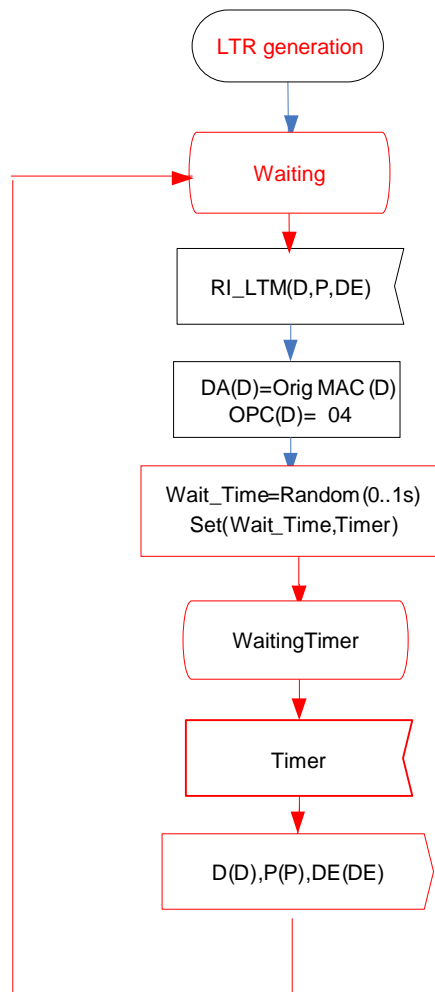


Figure 8-78 – LTR generation behaviour

3.53 Figure 8-80

Replace the figure with following:

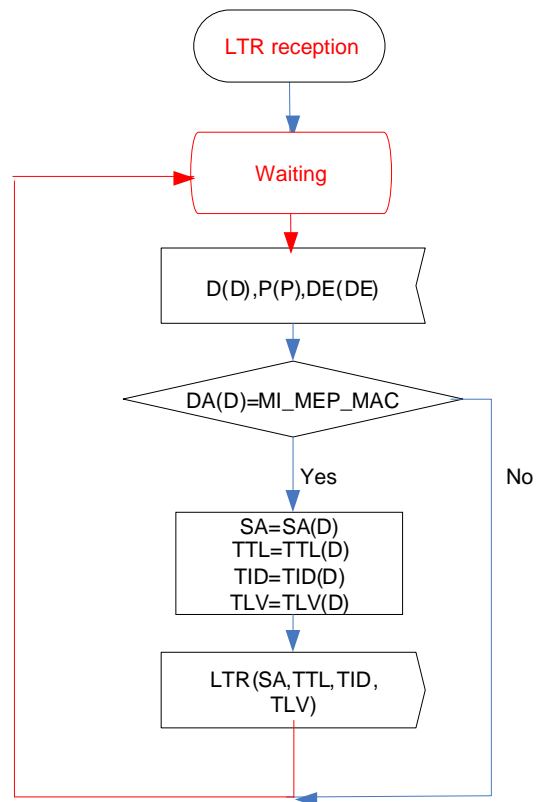


Figure 8-80 – LTR reception behaviour

3.54 Figure 8-83

Replace the figure with following:

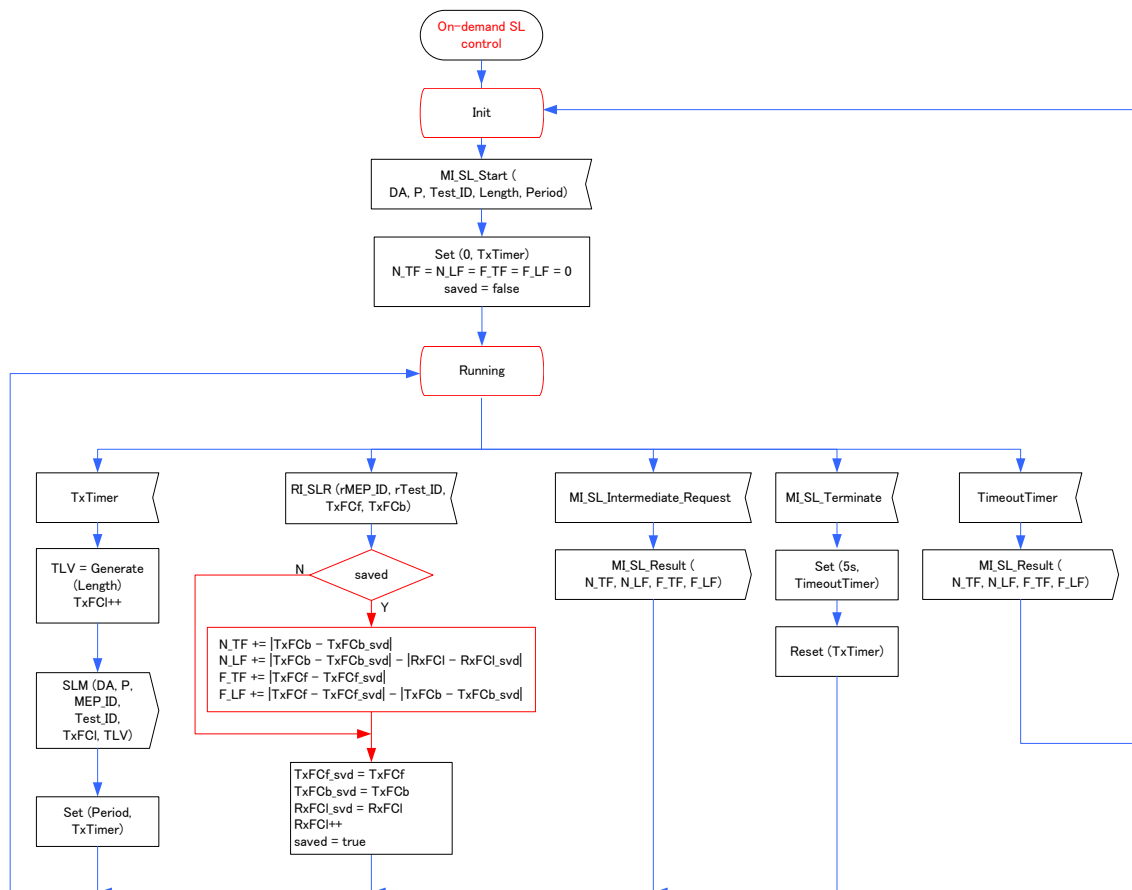


Figure 8-83 – On-demand SL control behaviour

3.55 Figure 8-84

Replace the figure with following:

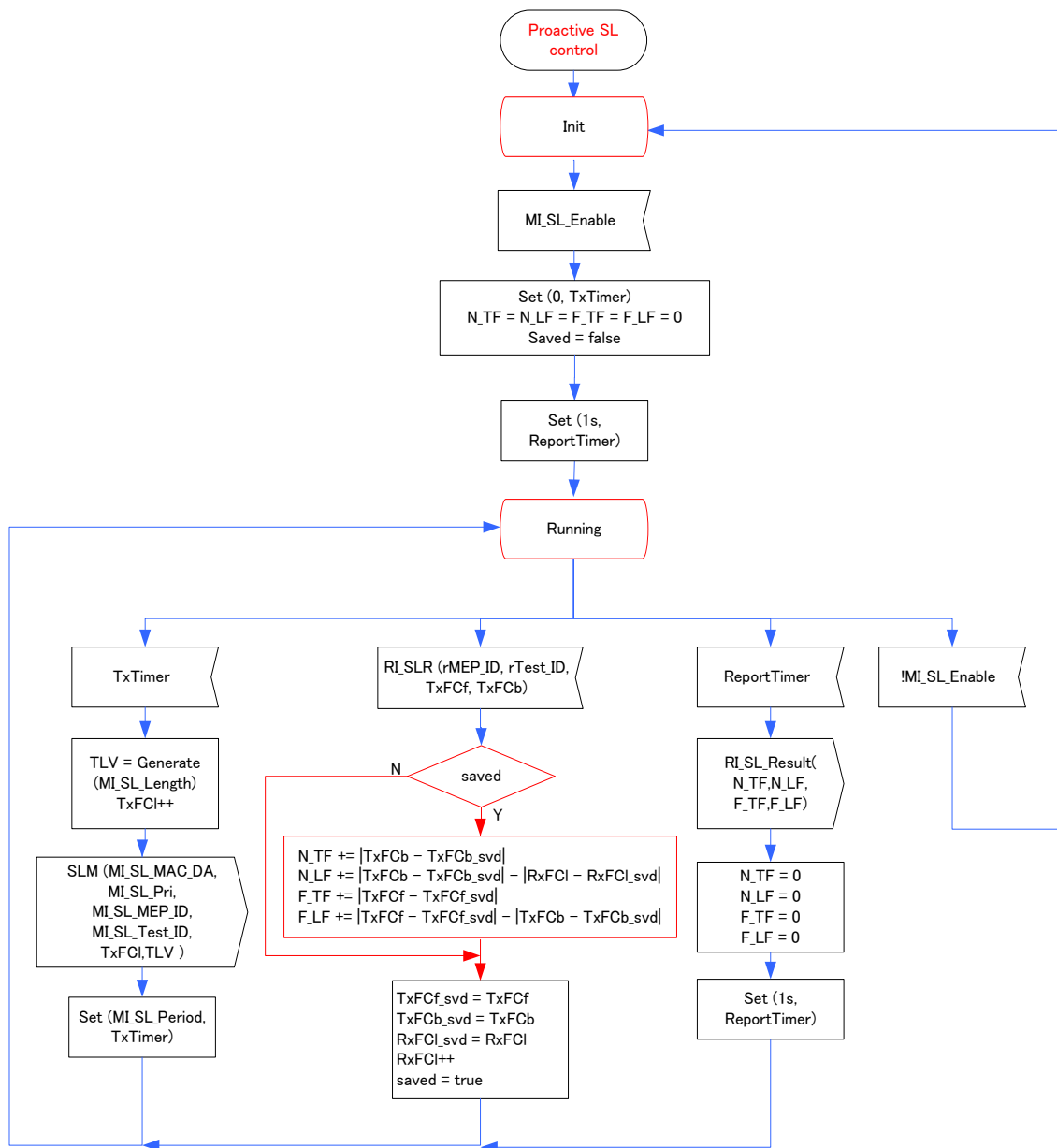


Figure 8-84 – Proactive SL control behaviour

3.56 Figure 8-85

Replace the figure with following:

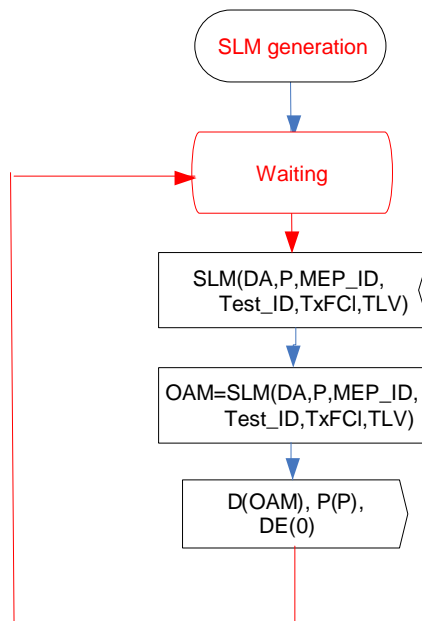


Figure 8-85 – SLM generation behaviour

3.57 Figure 8-87

Replace the figure with following:

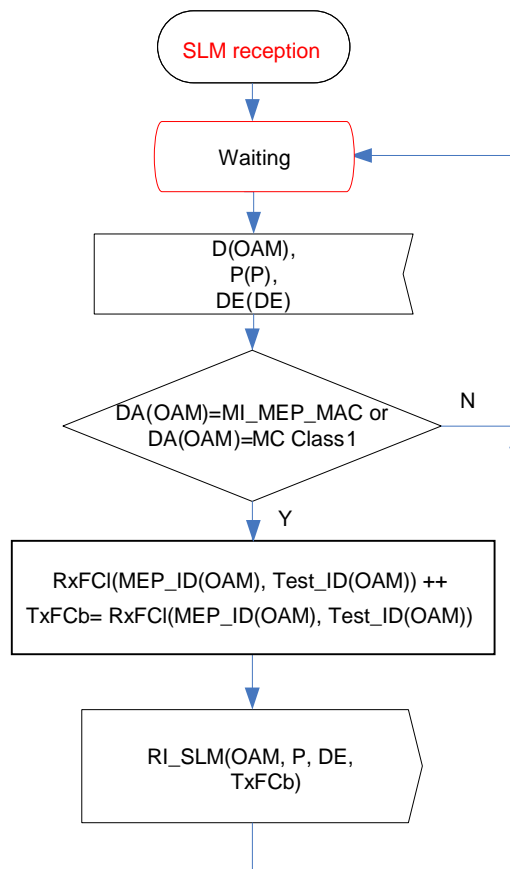


Figure 8-87 – SLM reception behaviour

3.58 Figure 8-88

Replace the figure with following:

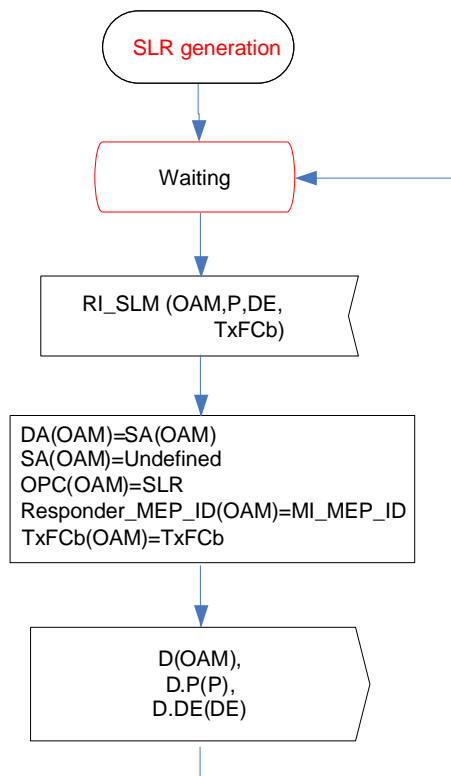


Figure 8-88 – SLR generation behaviour

3.59 Figure 8-90

Replace the figure with following:

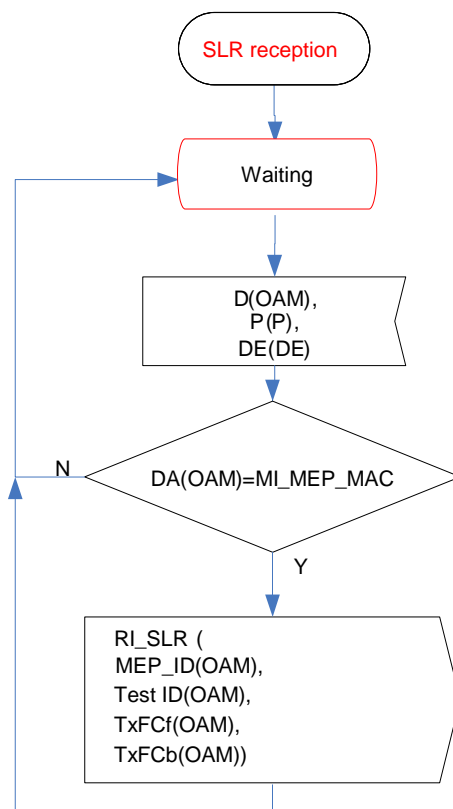


Figure 8-90 – SLR reception behaviour

3.60 Figure 8-93

Replace the figure with following:

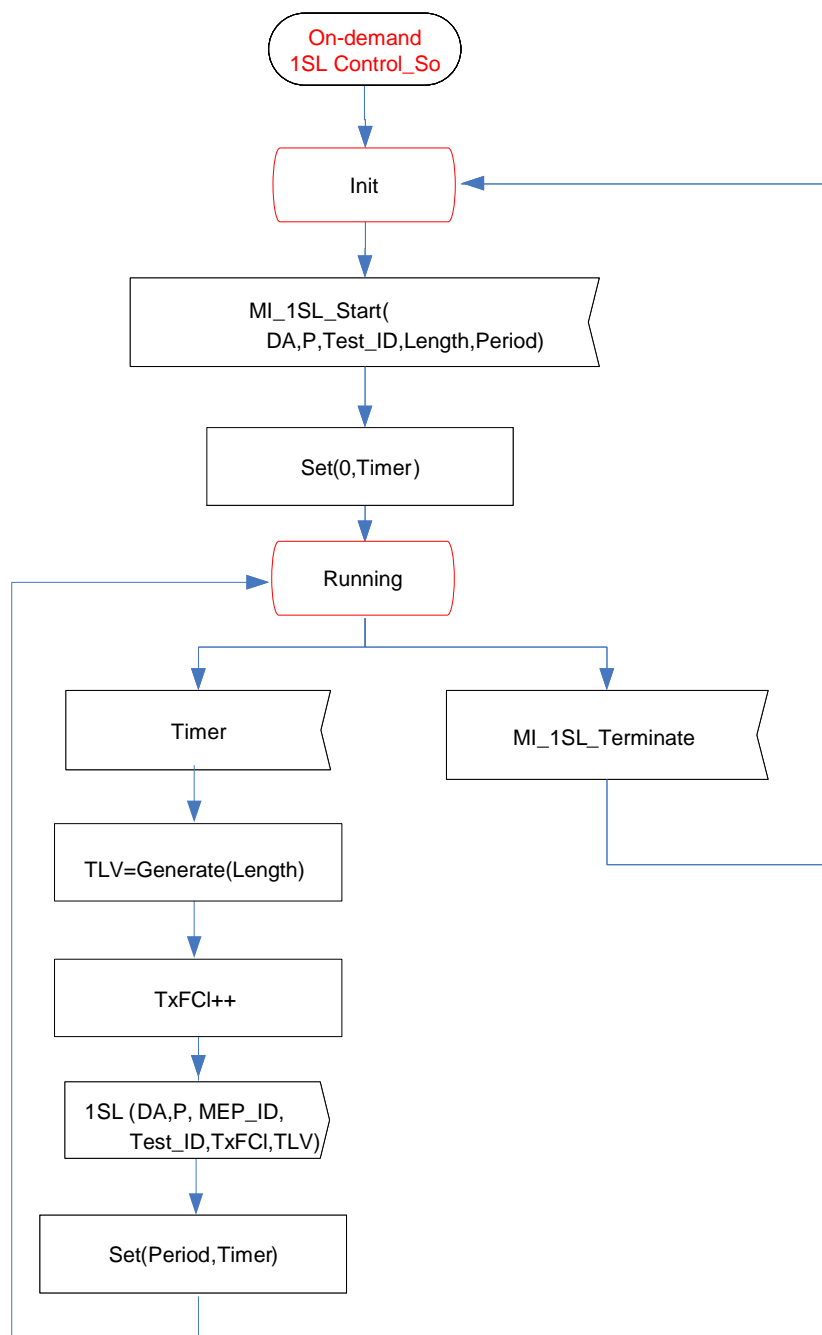


Figure 8-93 – On-demand 1SL Control_So behaviour

3.61 Figure 8-94

Replace the figure with following:

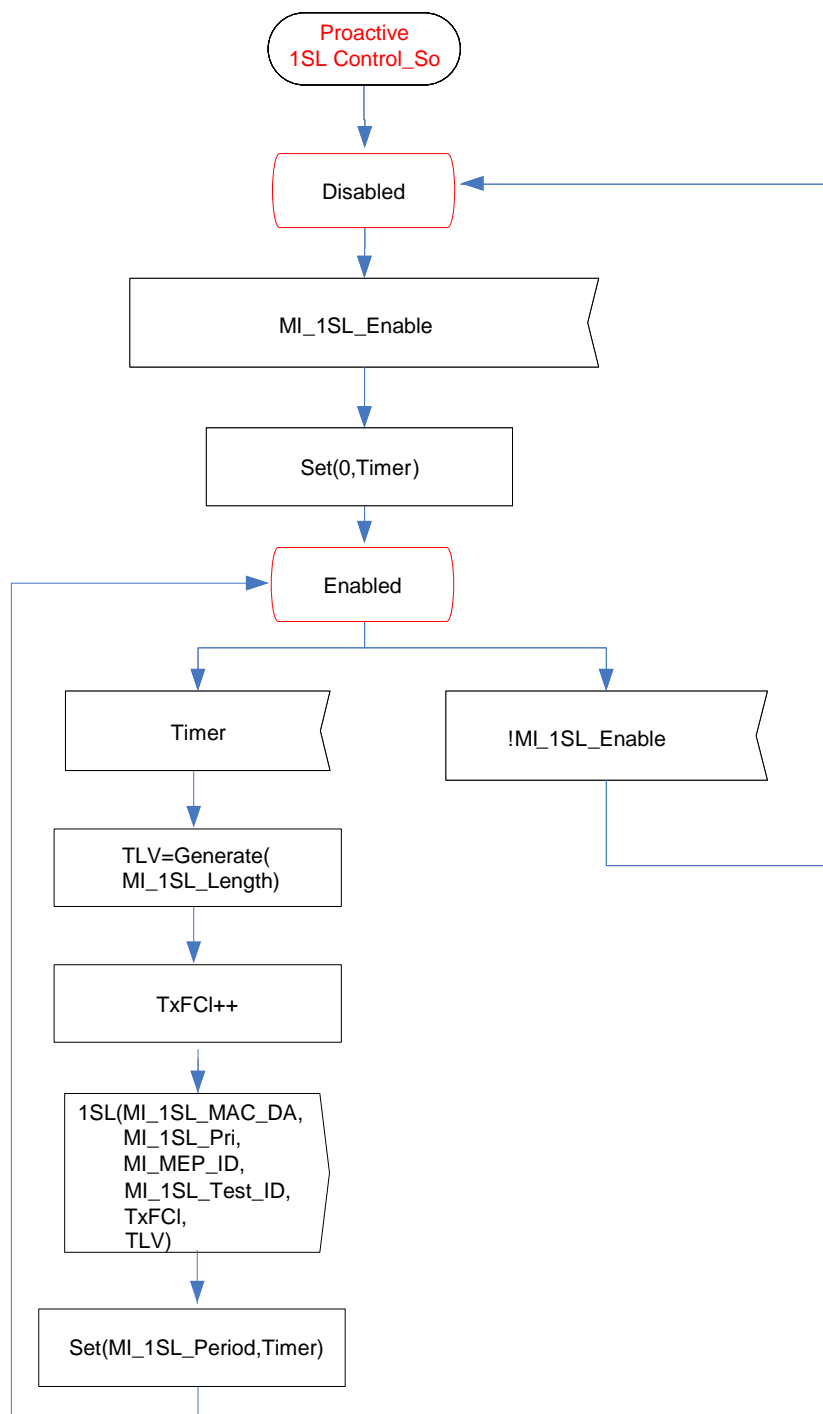


Figure 8-94 – Proactive 1SL Control_So behaviour

3.62 Figure 8-95

Replace the figure with following:

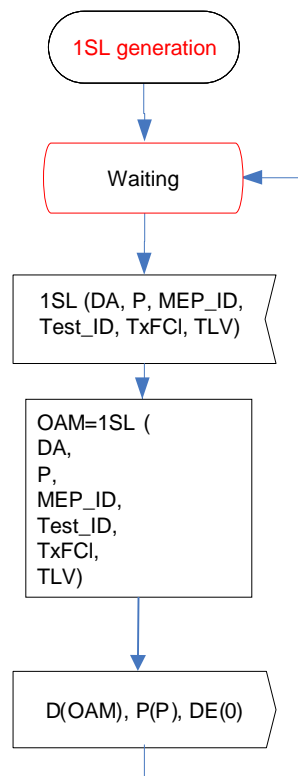


Figure 8-95 – 1SL generation behaviour

3.63 Figure 8-97

Replace the figure with following:

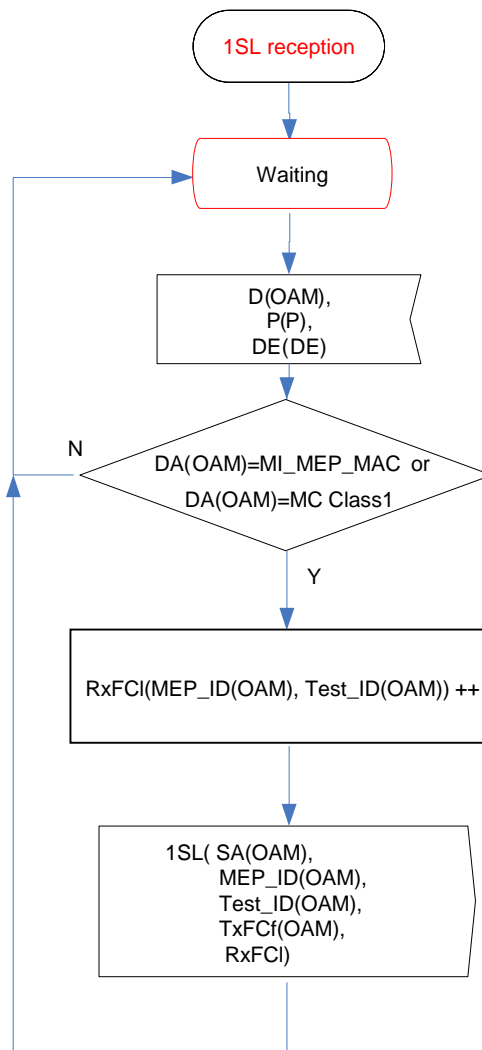


Figure 8-97 – 1SL Reception behaviour

3.64 Figure 8-98

Replace the figure with following:

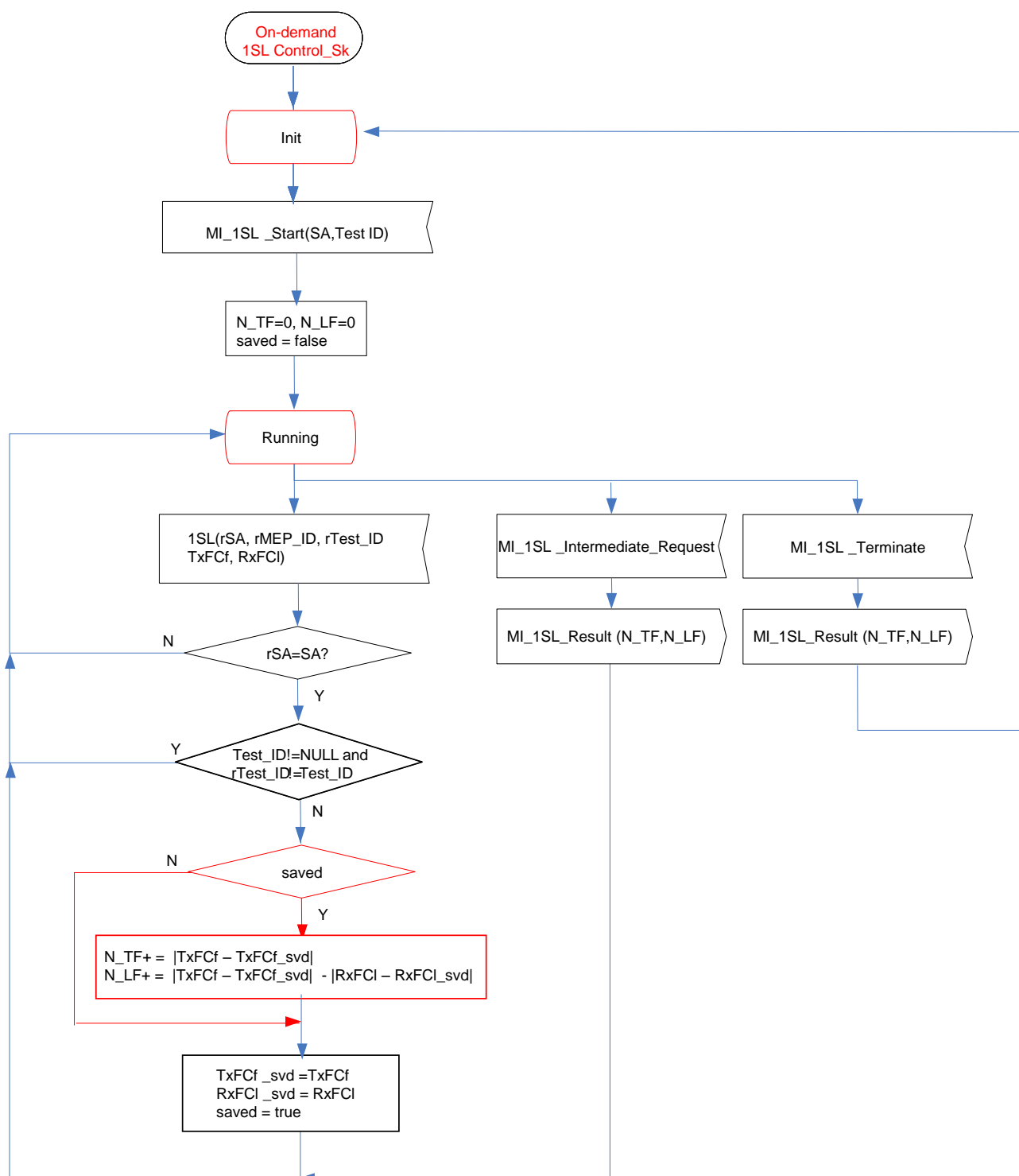


Figure 8-98 – On-demand 1SL Control_Sk process

3.65 Figure 8-99

Replace the figure with following:

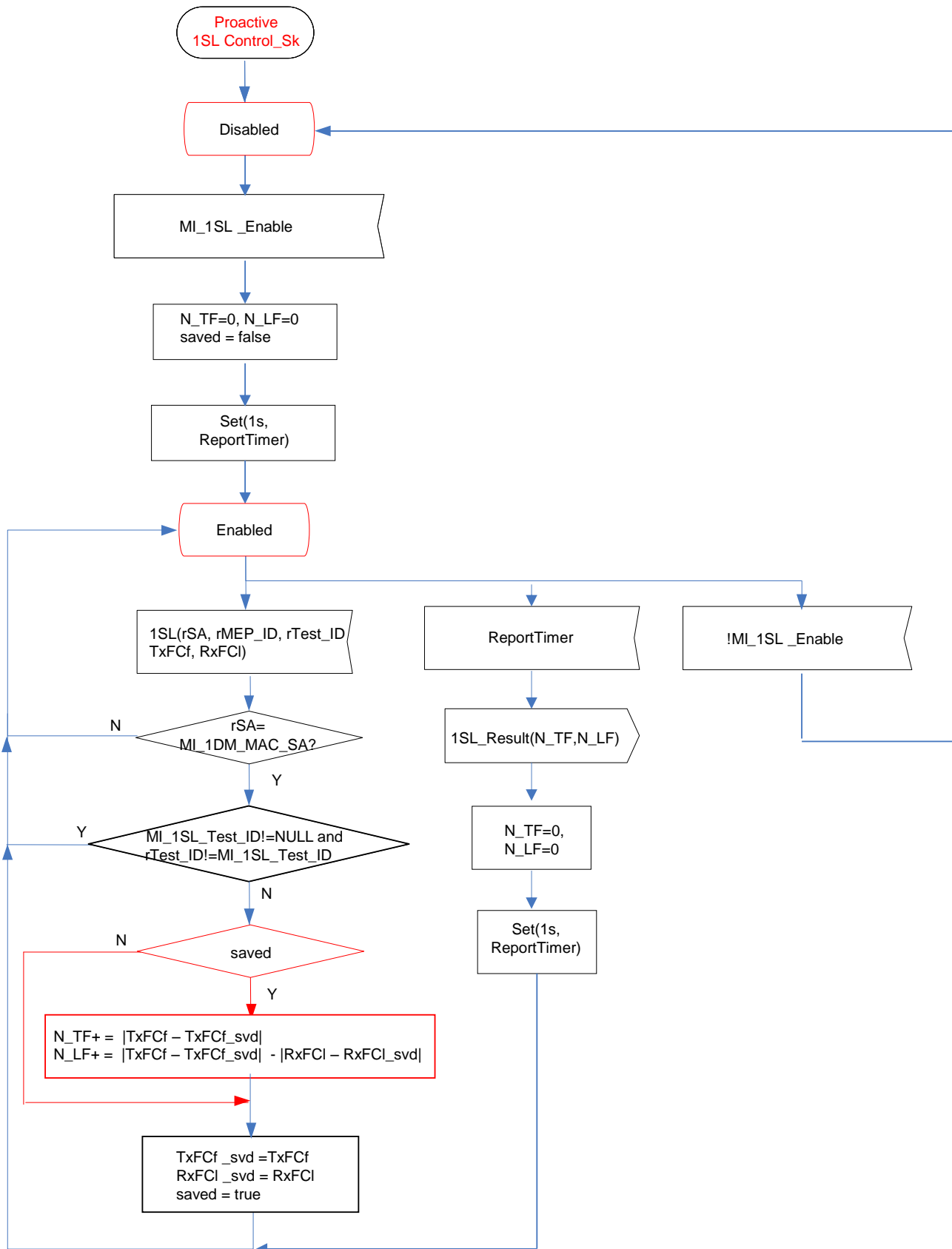


Figure 8-99 – Proactive 1SL Control_Sk process

3.66 Figure 8-101

Replace the figure with following:

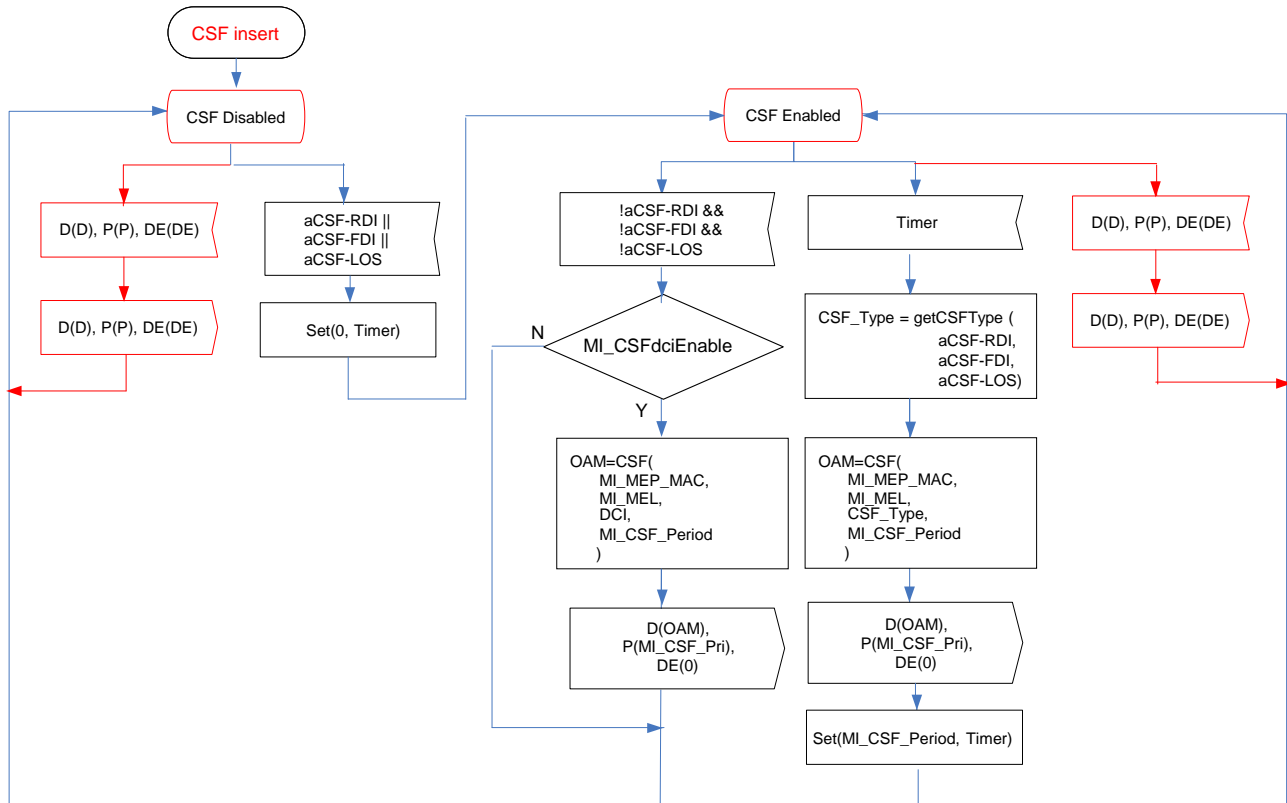


Figure 8-101 – CSF insert behaviour

3.67 Figure 8-104

Replace the figure with following:

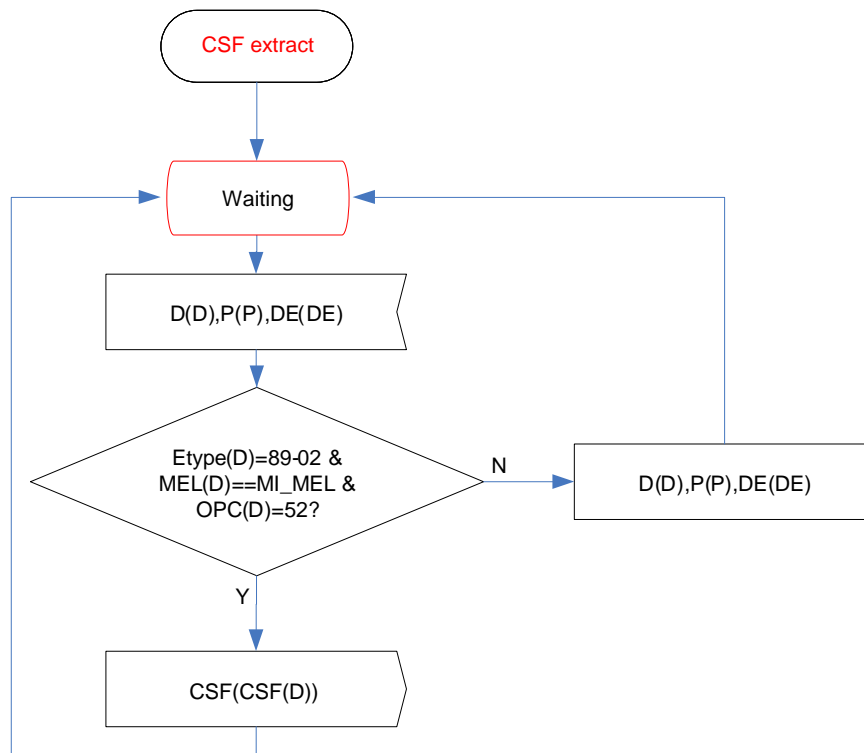


Figure 8-104 – CSF extract behaviour

3.68 Figure 8-xx+1

Replace the figure with following:

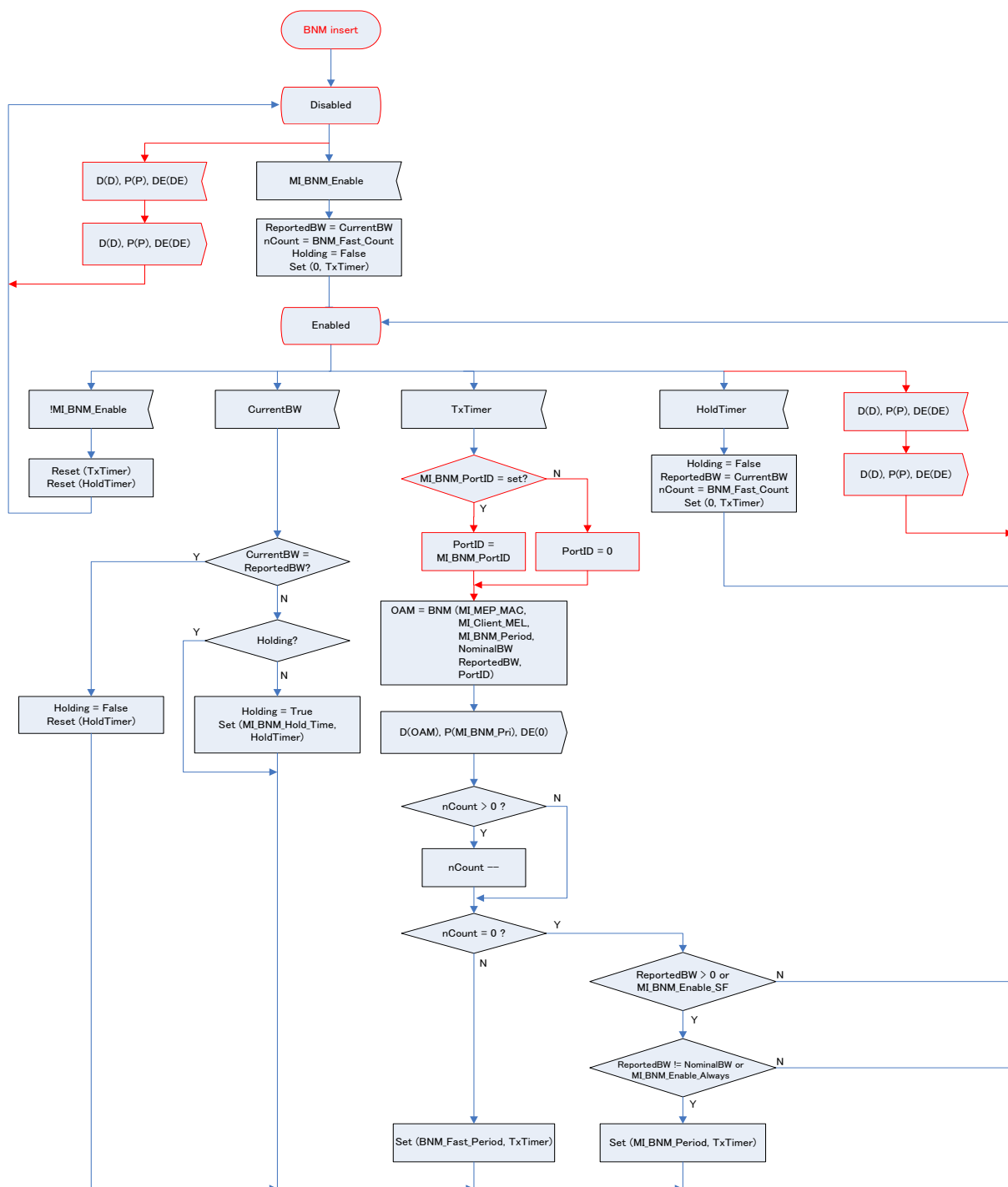


Figure 8-xx+1 – BNM insert behaviour

3.69 Figure 8-yy+1

Replace the figure with following:

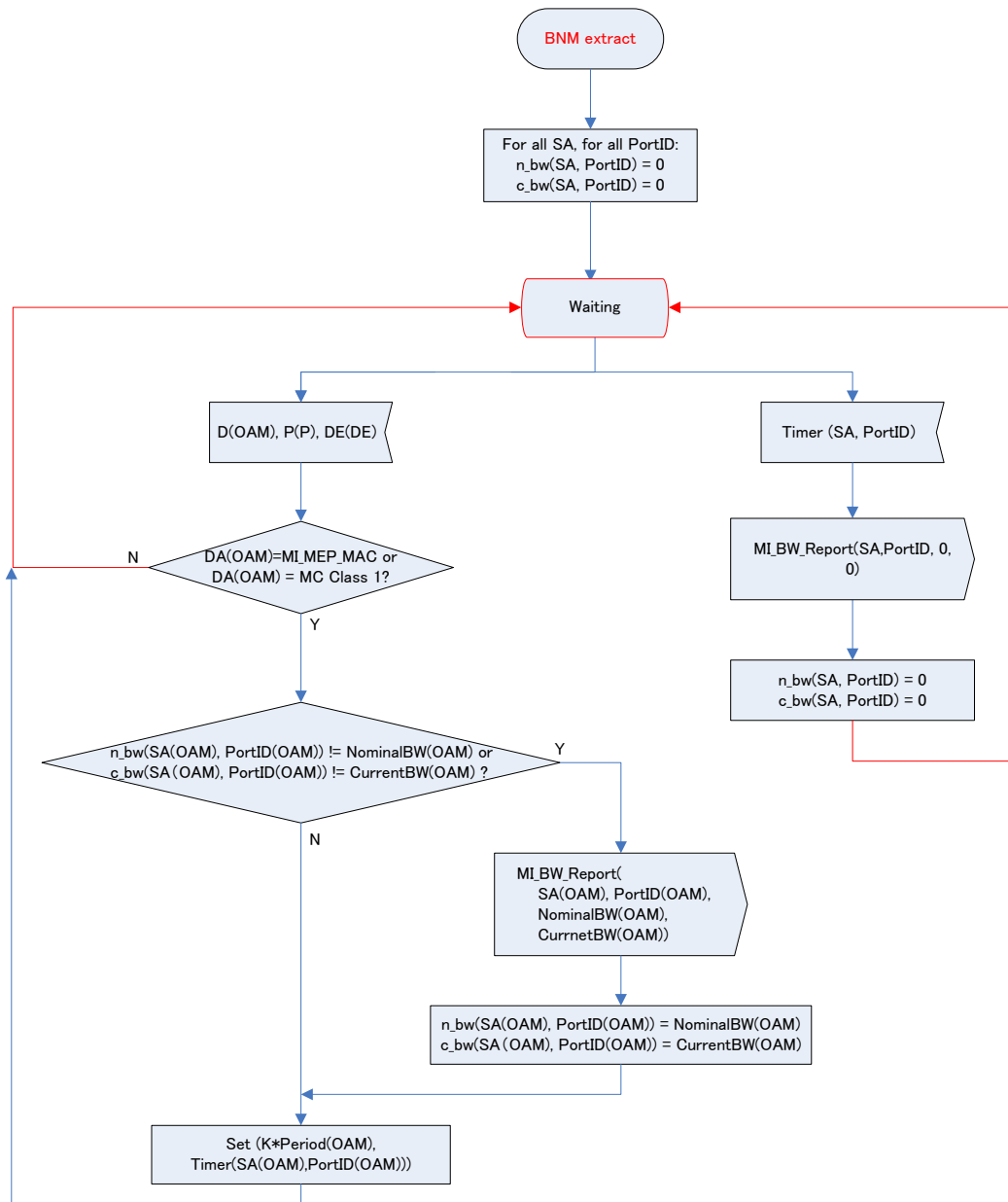


Figure 8-yy+1 – BNM extract behaviour

3.70 Figure 8-zz+2

Replace the figure with following:

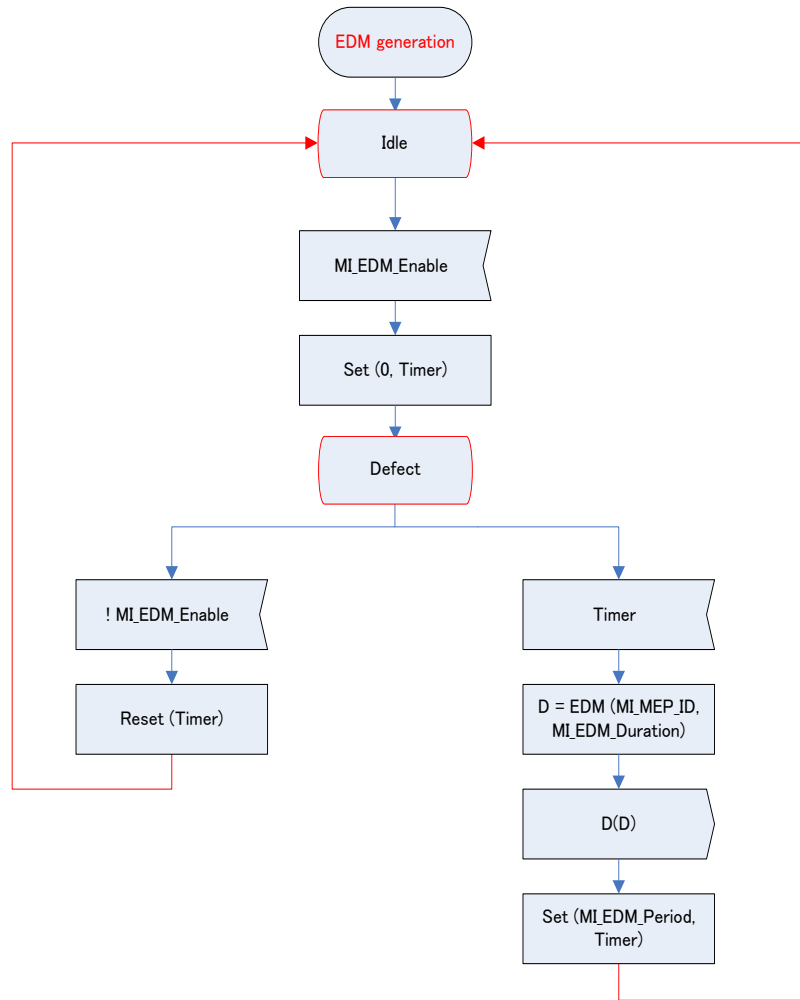


Figure 8-zz+2 – EDM Generation behaviour

3.71 Figure 8-zz+5

Replace the figure with following:

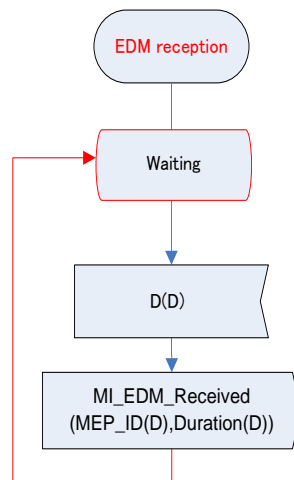


Figure 8-zz+5 –EDM Reception behaviour

3.72 Figure 9-14

Replace the figure with following:

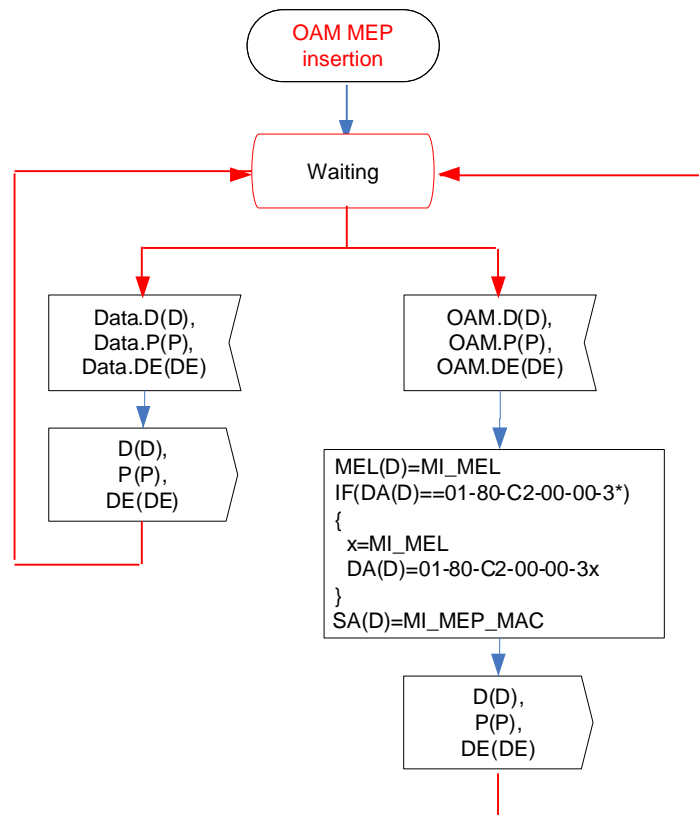


Figure 9-14 – OAM MEP insertion behaviour

3.73 Figure 9-x+2

Replace the figure with following:

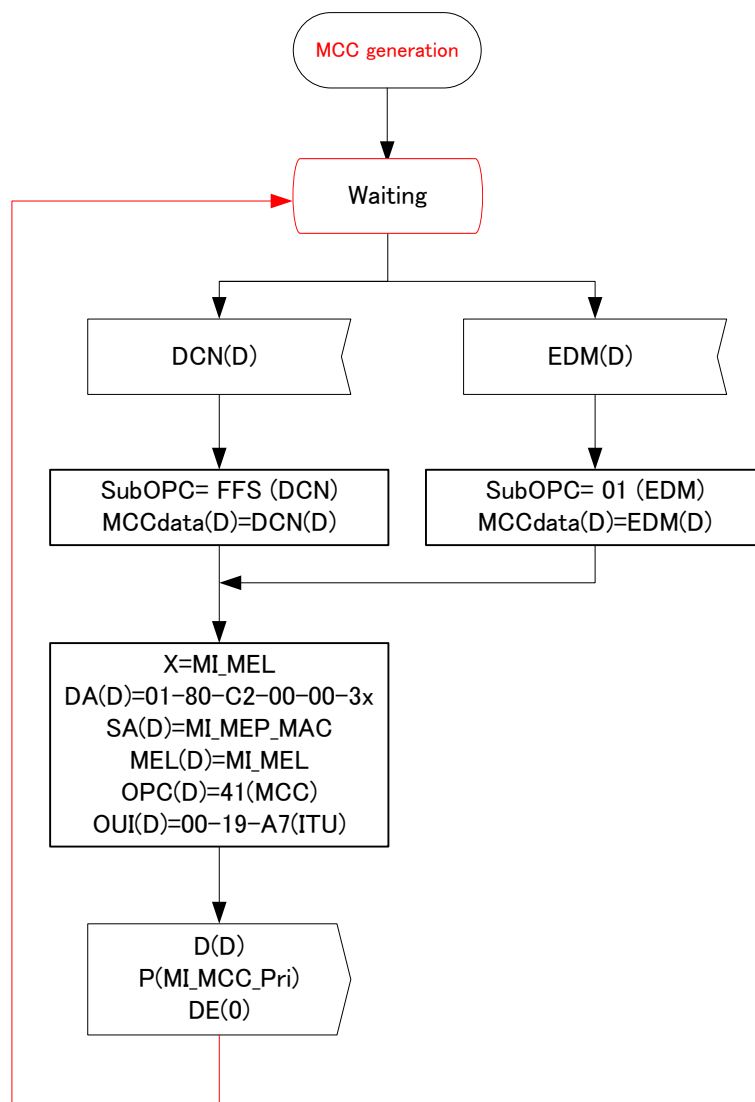


Figure 9-x+2 – MCC generation behaviour

3.74 Figure V.1

Replace the figure with following:

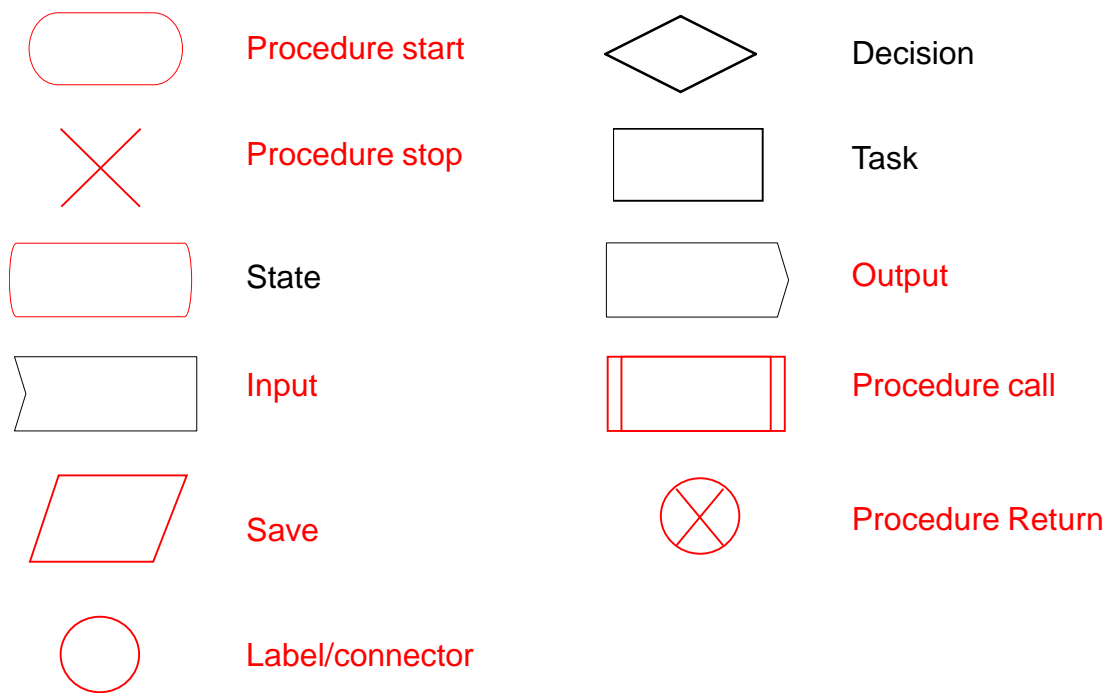


Figure V.1 – SDL symbols