ID	Category	Summary	Description	ASR_TicketType	Status
22712	General	Usage of alue I ! " not accor#ing ASR re$uirements	%ro&lem #escription' Accor#ing AUT (SAR_T%S_)CUConfiguration t*e alue +inf+ #eri e# from stan#ar# mo#ule #efinition ST , D must &e use# as follo - s' . /ecuc_s - s_01234 If t*e min alue e$uals 5inf or t*e ma6 alue e$uals inf in t*e St , D t*e min7ma6 alues in t*e 8S , D s*all &e replace# - it* t*e actually supporte# min7ma6 alues for t*is implementation9)6pecte# &e*a ior' I ! " s*all not &e use#: &ut instea# t*e actual , I ! 7 , A; alues s*all &e a aila&le in %D"s Current &e*a ior' See pro&lem #escription fiel#9	<UG	(%) ! ISSU)
20=27	General	/%ort4 AUT (SAR_% (RT_Component_User , anual9 p#f is lacking information a&out)6clusi es areas for CRITICA> S)CTI (! %R (T)CTI (!	%ro&lem #escription' >ack of information a&out)6clusi es areas in AUT (SAR_% (RT_Component_User , anual9p#f9 As a result user is facing #ifficulty #uring integration9 Source %ackage' AUT (SAR_R?@31_%16_ , CA>_)291A)6pecte# <e*a ior' T*e user manual s*oul# contain information a&out I ! IT_C (! "IG_%R (T)CTI (! : R)"R)S?_% (RT_I ! T)R ! A>_%R (T)CTI (! an# S)T_T (_DI (_A>T_%R (T)CTI (! 9 Actual &e*a iour' U , only #escri&es S)T_%I ! _ , (D)_%R (T)CTI (! in c*apter 292: &ut S)T_%I ! _DIR_%R (T)CTI (! : I ! IT_C (! "IG_%R (T)CTI (! : R)"R)S?_% (RT_I ! T)R ! A>_%R (T)CTI (! an# S)T_T (_DI (_A>T_%R (T)CTI (! : S)T_%I ! _D)"AU>T_ , (D)_%R (T)CTI (! : S)T_%I ! _D)"AU>T_DIR_%R (T)CTI (! are not mentione#9	<UG	(%) ! ISSU)
20=@@	General	CA ! an# >I ! mo#ules not follo - ing Autosar re$uirement <SB11A27	%ro&lem #escription' As per AUT (SAR re$uirement <SB11A27: t*e #ri er mo#ules s*all &e name# as per C , S ! D_C8en#orI#D_C8en#orSpecific ! ameD_CSer ice ! ameD9 "or)6ample ' +Can_InitEF+ - ill &ecome +Can_3=_Renesas_InitEF+9 It s*all &e follo - e# for "ile ! ames: %u&lic A%ls: %u&lis*e# %arameters: , emory allocation Gey - or#s an# %u&lic #ata types9 <ut t*is is not follo - e# in CA ! an# >I ! mo#ules - *ic* support multiple instance as per autosar &ase #efinition file9)6pecte# &e*a iour' T*e #ri er mo#ules s*all &e name# as per C , S ! D_C8en#orI#D_C8en#orSpecific ! ameD_CSer ice ! ameD9 Actual &e*a iour'♂ T*e #ri er mo#ulesECA ! an# >I ! F are not name# as per C , S ! D_C8en#orI#D_C8en#orSpecific ! ameD_CSer ice ! ameD9 T*e follo - ing , CA> mo#ules *a e t*e tag +U%%)R5 , U>TI%>ICITH5I ! "I ! IT)+ is set to +true+ in Autosar <ase Definition file AUT (SAR_ , (D_)CUConfiguration%arameters9ar6ml an# *ence support multiple instance9 19 CA ! 29)t*ernet A9 ">S 29 "le6ray 39 ICU 09 >I ! 79 %B , @9 BDG <ut for)t*ernet: ">S: ICU: an# %B , mo#ules: t*e re$uirement <SB11A27 is mo e# to ! A re$uirements in t*e Tracea&ility section9	<UG	(%) ! ISSU)

270A=	General	%RAG , A #efine inconsistent to #e ice *ea#er file package	CuD%ro&lem Description'C7uD %RAG , A #efine #iffers &et - een io_macros_ 29* from #e ice *ea#er file packages an# compiler9* in , CA> package9 In Compiler9*' I#efine %RAG , AE6F _%ragmaE6F In io_macros_ 29*' I#efine %RAG , AE6F _%ragmaEI6F CuDCurrent <e*a iour'C7uD In customer application t*is mig*t cause a compilation - arning #ue to a macro re#efinition if &ot* *ea#er files are use#9 CuD)6pecte# <e*a iour'C7uD Consistent #efine use# in &ot* *ea#er files9	<UG	(%) ! ISSU)
27721	General	Comman# line option 5" not - orking	%ro&lem #escription' T*e 5"7"I>)8)RSI (! option of generation tool is not - orking9 Instea# of listing t*e ersion of tool co#e files: t*e tool is t*ro - ing error +)RR111111')CU Configuration Description "ile is not pro i#e# as input to t*e Generation Tool+9)6pecte# &e*a ior' (n t*e usage of 5"7"I>)8)RSI (! option: generation tool must list t*e ersion of tool co#e files9 Actual &e*a iour' See %ro&lem #escription9	<UG	(%) ! ISSU)
27727	General	, akefiles use in ali# inclu#e pat*s for G?S &uil#er	%ro&lem Description' T*e G?S makefiles for sample applications use in ali# inclu#e pat*s parameters9 T*is &e*a iour *as currently no effect to G?S &uil#er &ut t*is mig*t c*ange9 It lengt*ens t*e comman# lines - it*out any use9 Actual &e*a iour' G?S &uil#er is calle# - it* in ali# options like 5IJ2919A 5IJcommon)6pecte# &e*a iour' (nly ali# inclu#e pat* parameters s*all &e use#9	<UG	(%) ! ISSU)
27700	General	"unctional co#es are e6ecuting) en after D) , is reporte#9	%ro&lem Description') en after D) , error is reporte#: functional co#es are getting e6ecute#: - *ic* may result in une6pecte# &e*a ior of #ri er9 Similar issue is foun# in S%I - *ile #oing functional testing for)16 829119912 release: An# an issue is reporte# in mantis I &ug'207A19 Deci#e# to create ne - ticket to start in estigation for similar issues in all ot*er mo#ule Esee note'1@1@2=F9)6pecte# &e*a ior' "unctional co#es s*all not e6ecute after reporting D) ,)rror9 Actual &e*a ior' "unctional co#es are e6ecute# e en after reporting D) ,)rror9	<UG	(%) ! ISSU)

27=72	General	, akefiles specify irrele ant fol#ers for *ea#er searc*	%ro&lem #escription' T*e 5l parameter is use# to specify fol#ers - *ere t*e G?S &uil#er s*all searc* for *ea#er files9 <ut also source fol#ers are gi en9 Actual &e*a iour' , any irrele ant fol#ers are gi en as parameter to G?S &uil#er9 B*en pro\ect &ecomes large t*e ma6imum comman# line lengt* E@kF is e6cee#e#9)6pecte# &e*a iour' (nly rele ant fol#ers s*all &e gi en - it* 5l parameter9	<UG	(%) ! ISSU)
2@27@	General	CA!5) !T)R5) ;C>USI8)5AR)A5R)" tag is missing in t*e <SB , DT	can)nter)6clusi eArea is re$uire# insi#e t*e entity in <SB , DT: if t*e reference# e6clusi e area is use# in t*e entity's co#e9 T*e entity can &e <s - Calle#)ntity: <s - Sc*e#ula&le)ntity or <s - Interrupt)ntity9 Actual &e*a iour' C<SB5l!T)R!A>5<)?A8l (R UUIDLM)CUS'=31@2Aa=50@2@52a@#5@0=a57&2=a@713@faMD CS? (RT5!A ,)D<s - Internal<e*a ior_1C7S? (RT5!A ,)D C) ;C>USI8)5AR)A UUIDLM)CUS'1&=03#e253e2a52=#@5a2c&5e77@2A@0fA27MD CS? (RT5!A ,)D8ARIA<>)_%R (T)CTI (!C7S? (RT5!A ,)D C7) ;C>USI8)5AR)AD C) !TITHSD C<SB5l!T)RRU%T5) !TITH UUIDLM)CUS'@#=#11c#53=a252f=#5a1c35a20=00e1&2a#MD CS? (RT5!A ,)D<s - Interrupt)ntity_1C7S? (RT5!A ,)D Cl , %>) ,) !T)D5) !TRH5R)" D)STLM<SB5 , (DU>)5) !TRHMD7Ar%ackage_17 , CU_")l!T_ISRC7l , %>) ,) !T)D5) !TRH5R)"D Cl!T)RRU%T5CAT)G (RHDCAT51C7l!T)RRU%T5CAT)G (RHD Cl!T)RRU%T5S (URC)Dl!T>8lC7l!T)RRU%T5S (URC)D C7<SB5l!T)RRU%T5) !TITHD)6pecte# &e*a iour' C<SB5l!T)R!A>5<)?A8l (R UUIDLM)CUS'=31@2Aa=50@2@52a@#5@0=a57&2=a@713@faMD CS? (RT5!A ,)D<s - Internal<e*a ior_1C7S? (RT5!A ,)D C) ;C>USI8)5AR)A UUIDLM)CUS'1&=03#e253e2a52=#@5a2c&5e77@2A@0fA27MD CS? (RT5!A ,)D8ARIA<>)_%R (T)CTI (!C7S? (RT5!A ,)D C7) ;C>USI8)5AR)AD	<UG	(%) ! ISSU)
2@3A2	General	Brong upper multiplicity #efinition for Configuration container9	%ro&lem #escription' In %D" of some , CA> mo#ules t*e upper multiplicity is #efine# as CU%%)R5 , U>TI%>ICITH5l!"l!IT)D; ;C7U%%)R5 , U>TI%>ICITH5l!"l!IT)D T*e a&o e #efinitions are not correct accor#ing to ASR ecuc_s - s_2111 9 Actual &e*a ior' , ultiple configuration is not possi&le #ue to t*e a&o e pro&lem9)6pecte# &e*a ior' T*e correct #efinitions must &e as follo - s' CU%%)R5 , U>TI%>ICITHD; ;C7U%%)R5 , U>TI%>ICITHD	<UG	(%) ! ISSU)

20@12	ADC	Une6pecte# D)T ADC_)_ID>) is &een raise# from A#c_Disa&le?ar# - are Trigger	%ro&lem Description' Une6pecte# D)T ADC_)_ID>) is &eing raise# - *en A#c_Disa&le?ar# - areTrigger is in oke# for an alrea#y ena&le# group Eusing t*e api A#c_)na&le?ar# - areTriggerF - *ose status is ADC_STR)A , _C (, %>)T)D9)6pecte# <e*a iour ' As per re$uirement ADCA12: t*e D)T ADC_)_ID>) s*oul# not &e reporte# - *en A#c_Disa&le?ar# - areTrigger is calle# for a group t*at *as alrea#y &een ena&le# using A#c_)na&le?ar# - areTrigger9 Actual <e*a iour ' T*e D)T ADC_)_ID>) is reporte# - *en A#c_Disa&le?ar# - areTrigger is calle# for a group t*at *as alrea#y &een ena&le# using A#c_)na&le?ar# - areTrigger9	<UG	(%) ! ISSU)
272=2	ADC	?B triggere# (ne5s*ot con ersion in Circular Streaming is not - orking as e6pecte#	%ro&lem Description' As per AUT (SAR specification: one ?B trigger s*oul# trigger only one ADC c*annel group con ersion stream9 T*e con ersion must finis* once it recei es t*e ?B trigger t*at is e$ual to num&er of streams configure# for t*e group9 <ut in t*e current #esign single trigger e6ecutes t*e - *ole stream of con ersions9)6pecte# <e*a ior' (nly one ADC c*annel Group con ersion stream s*oul# *appen per ?7B trigger9 Actual <e*a ior' Streaming con ersion is getting complete# - it* single ?7B trigger	<UG	(%) ! ISSU)
27313	ADC	+ucGroupSettings+ element of A#c_GstGroupConfig/4 is not generate# properly	%ro&lem Description' >S< of +ucGroupSettings+ element #eci#es - *et*er a group is one5s*ot or continuous9 +1+ means continuous group an# +1+ means one5s*ot group9 <ut co#e generator is not generating t*is properly9 "or one5s*ot mo#e an# circular streaming group it generates +1+ an# for continuous mo#e an# linear streaming group it generates +1+)6pecte# <e*a ior' >S< of +ucGroupSettings+ must &e +1+ for continuous group an# +1+ for one5s*ot group9 Actual <e*a ior' Co#e generator is generating t*e &elo - alues: "or one5s*ot mo#e an# circular streaming group it is generates +1+ an# for continuous mo#e an# linear streaming group it generates +1+	<UG	(%) ! ISSU)
273=2	ADC	D , A ena&le# ADC con ersion gi es - rong con ersion result if DT"RRNn register signals a pen#ing transfer re$uest	%ro&lem #escription' Con ersion of an ADC group - it* +A#cResultAccess , o#e+ LD +ADC_ISR_ACC)SS+ EGroup - it*out D , AF lea#s to t*e flagging of DT"RRNn9DRN &it9 Con ersion of an ADC group - it* +A#cResultAccess , o#e+ LD +ADC_D , A_ACC)SS+ ED , A ena&le# groupF - *en DT"RRNn9DRN &it alrea#y set lea#s to t*e return of con erte# alue from pre ious cycle9 T*erefore DT"RRNn9DRN &it must &e cleare# eac* time - *en D , A ena&le# ADC groups con ersion is starte#9)6pecte# <e*a ior' D , A ena&le# ADC Groups s*oul# return t*e con erte# result of t*e current input oltage9 Actual <e*a ior' D , A ena&le# ADC Groups are not returning t*e con erte# result of t*e current input oltage &ecause of alrea#y set DT"RRNn9DRN &it9	<UG	(%) ! ISSU)

27**01**A	ADC	Con ersion of a D , A ena&le# one5s*ot ADC group is *appening only for t*e first ?**B** trigger an# not for t*e ne**6**t triggers	%ro&lem #escription' (ne5s*ot ADC groups -it* D , A as result access mo#e is getting con erte# only for t*e first trigger an# not for t*e consecuti e triggers9 !ote t*at if t*e result access mo#e is selecte# as interrupt t*en it is -orking as e**6**pecte#9)**6**pecte# <e*a ior' (ne5s*ot ADC groups -it* D , A as result access mo#e s*oul# con ert t*e group c*annels for e ery ?**B** trigger until it is stoppe# e**6**plicitly &y A#c_Disa&le?ar#-areTriggerEF Actual <e*a ior' (ne5s*ot ADC groups -it* D , A as result access mo#e is getting con erte# only for t*e first trigger an# not for t*e consecuti e triggers after ena&ling t*e group ia A#c_)na&le?ar#-areTriggerEF	<UG	(%)! ISSU)
27**01**A	ADC	?**B** triggere# ADC group -it* D , A circular streaming access s*oul# con ert one sample per one trigger	%ro&lem #escription' Current &e*a iour of t*e #ri er is: ?**B** triggere# ADC group -it* D , A an# circular streaming access mo#e is con erts more t*an one sample per ?7**B** trigger9 Sample con ersion continues until t*e group is stoppe# &y calling A#c_Disa&le?ar#-areTriggerEF9 As per t*e AUT (SAR specification only one sample con ersion must &e initiate# for one ?**B** trigger9)**6**pecte# <e*a ior' As per t*e AUT (SAR specification only one sample con ersion must &e initiate# for one ?**B** trigger9 Actual <e*a ior' Stream con ersion continues -it* a single ?**B** trigger9	<UG	(%)! ISSU)
27**02**2	ADC	A#c_GetStream>ast%ointerEF A%l #oes not return t*e ali# sample count -*en t*e status of t*e group is ADC_STR)A , _C(, %>)T)D	%ro&lem #escription' A#c_GetStream>ast%ointerEF A%l #oes not return correct num&er of ali# samples -*en t*e status of t*e circular streaming group is ADC_STR)A , _C(, %>)T)D9 T*is A%l must return t*e alue e$ual to t*e configure#+A#cStreaming!umSamples+ parameter of t*at group9)**6**pecte# <e*a ior' A#c_GetStream>ast%ointerEF A%l must return t*e ma**6**imum sample alue -*en t*e status of t*e circular streaming group is ADC_STR)A , _C(, %>)T)D9 Actual <e*a ior' A#c_GetStream>ast%ointerEF A%l is returning ran#om alue -*en t*e status of t*e group is ADC_STR)A , _C(, %>)T)D9	<UG	(%)! ISSU)

2@**1=2**	ADC	**8**alue assigne# to register EADCDnT**?**GSRF is not correct in A%I A#c_**? -** InitEF9	%ro&lem Description'5 In %ri ate A%I A#c_**? -** InitEF alue assigne# to register EADCDnT**?**GSRF usADC**;**nT**?**GSR is not correct: assignment to t***is register is as mentione# &elo **-** 9 **C&D >**pA#cRegisters5DusADC**;**nT**?**GSR **L** Euint1**0**FE>p**? -** UnitConfig5DucGroupSelect **,** askF0 **C7&D** Generate# alue in structure element MucGroupSelect **,** askM is not correct: T***ere&y selection of T**P?** group **< -** ill not **-** ork properly9 In tool co#e alue for structure element **C&D**MucGroupSelect **,** ask**MC7&D** is as mentione# &elo **-** 9 **?**ere final alue in MucGroupSelect **,** askM is t***e alue in local aria&le **C&DQ**grp_mask**C7&D:** Un#erstan#ing is t***at for register ADCDnT**?**GSR **&**it positions are in e en num&er: as mentione# in section **A1**9**A**92**A** of De ice manual R**1**1U**?12A0)**R**11**7**1 Re 9**1**9**71: <**ut in Generation Tool co#e its consi#ere# t***at ADCDnT**?**GSR register **&**it positions are continues: As mentione# in Actual **<**e***a ior9 %lease c***eck an# #o nee#ful9 Actual **<**e***a ior'5 **S>**ine **!** o 7**2=** of **<**s **-** %&Im9pm file: S**8 !** Re ision Q1@**3A**22 **>**ooping &elo **-** mentione# co#e for eac* c***annel9 **I "**ill ucGroupSelect **,** ask **Q**grp_mask **L 1**0 **Q<**s **-** %&Im"D&rom_%&ImageTA#c_Gst**? B** UnitConfig**U**T**Q**in#e**6**U TucGroupSelect **,** askU **L Q**grp_mask0 if EQc***n_trck e**$** MADC_T**?**_GR **(** U%**<**MF T **C&DQ**grp_mask **L Q**grp_mask V E1 **CC** Qc***_i#F0 **C7&D** **Q<**s **-** %&Im"D&rom_%&ImageTA#c_Gst**? B** UnitConfig**U**T**Q**in#e**6**U TucGroupSelect **,** askU **L Q**grp_mask0 U	**<**UG	**(%) !** ISSU**)**
2@1**1=**	ADC	**>**imit c***eck implementation is not proper for %olling mo#e	%ro&lem #escription' In t***e case of %olling**:** A#c_Rea#Group A%I is calle# multiple times in a **>**oop9 **"**rom A#c_%ollingRea#Group functionEcalle# form A#c_Rea#Group A%I**F:** A#c_**)**rrIsr is calle#9 In A#c_**)**rrIsr t***e follo **-** ing errors are **&**eing cleare# **&**y **-** riting **161)** to ADCDn**)**CR register9 19 Upper **>**imit**7>**o **-** er **>**imit **)**rror9 29 **(** er **-** rite **)**rror9 **A**9 %arity **)**rror Clear9 In ne**6**t pollingEcalling A#c_Rea#Group**F:** e en if t***e alue is **&**eyon# **>**imit**7>**o **-** er limit**:** ADC group notification is calle# an# t***e con ersion status is c***ange# to ADC_STR**)**A **,** _C **(, %>)**T**)**D9 **)6**pecte# **<**e***a ior' ADC #ri er s***oul# trigger t***e ne**6**t con ersion e en if it is configure# for one5s***ot con ersion9 Actual **<**e***a iour' **"**urt***er con ersion is not triggere# for one5s***ot groups9 ADC group notification is calle# an# t***e con ersion status is c***ange# to ADC_STR**)**A **,** _C **(, %>)**T**)**D9	**<**UG	**(%) !** ISSU**)**

2@111	ADC	Con ersion is not *appening for T? groups - *en parameter +A#cSuspen# , o#e+ is +ADC_ASH ! C?R (! (US_SUS%) ! D+ an# t*e Trigger is SB	%ro&lem Description' Con ersion is *appening for ADC groups - *ic* contains Track an# ?ol# ena&le# c*annels - *en t*e configuration parameter +A#cSuspen# , o#e+ in container +A#c? - Unit+ is configure# as +ADC_ASH ! C?R (! (US_SUS%) ! D+ an# t*e parameter +A#cGroupTriggSrc+ is +ADC_TRGG_SRC_SB+9 T*e track an# *ol# functionality is - orking fine for ?B triggere# groups e en if t*e parameter +A#cSuspen# , o#e+ is +ADC_ASH ! C?R (! (US_SUS%) ! D+9 Also: it is - orking properly for &ot* SB an# ?B triggere# groups if t*e parameter +A#cSuspen# , o#e+ is +ADC_SH ! C?R (! (US_SUS%) ! D+ <ut if t*e parameter +A#cSuspen# , o#e+ is configure# as +ADC_SH ! C?R (! (US_SUS%) ! D+ t*e generator tool pro#uces t*e follo - ing - arning9 MT*e parameter +A#cSuspen# , o#e+ s*oul# &e configure# as CADC_ASH ! C?R (! (US_SUS%) ! DD - *en t*e c*annels are ena&le# for Track an# *ol# feature9M)6pecte# <e*a ior' con ersion s*oul# &e *appene# for &ot* SB an# ?B triggere# groups if parameter +A#cSuspen# , o#e+ is +ADC_ASH ! C?R (! (US_SUS%) ! D+ Actual <e*a iour' Con ersion is not *appening if parameter +A#cSuspen# , o#e+ is +ADC_ASH ! C?R (! (US_SUS%) ! D+ for SB triggere# groups9	<UG	(%) ! ISSU)
2@11@	ADC	Critical section protection for glo&al structure array MA#c_GpGroupRamDataM is not implemente#9	%ro&lem Description ' Critical section protection for glo&al structure array MA#c_GpGroupRamDataM is not implemente#: e en t*oug* t*e alues of t*e structure MA#c_GpGroupRamDataM is mo#ifie# in most of t*e A%Is9 In most of t*e pri ate A%I: a##ress of glo&al structure array MA#c_GpGroupRamDataM is assigne# to a local pointer an# t*en t*e elements alues are c*ange# 7 mo#ifie# 7 rea#9) en t*oug* t*e alues are c*ange# using local pointer: t*e alue in glo&al structure array MA#c_GpGroupRamDataM also gets c*ange#9)6ample ' T*e alue of structure element M##GroupStatusM of MA#c_GpGroupRamDataM glo&al structure is &eing mo#ifie# in A#c_GroupComplete , o#eEF pri ate A%I calle# from A#c_IsrEF9 7W Set group status as con ersion complete# W7 >pGroupData5D##GroupStatus L ADC_STR)A , _C (, %>)T)D0 Consi#er a situation in - *ic* A%I A#c_StopGroupCon ersionEF is calle# from a *ig* priority task E say Timer IsrF t*an t*at of A#c_IsrEF: An# if A#c_StopGroupCon ersionEF is calle# E for same groupF Kust after start e6citing A#c_IsrEF: &ut not reac*e# a&o e mentione# co#e9 In t*is case t*e status Group Status remain ADC_STR)A , _C (, %>)T)D: e en after calling A#c_StopGroupCon ersionEF9 To a oi# suc* issues: critical sections nee# to &e implemente# properly9 Re$uire# , (suggestion on same9 Actual <e*a ior ' Critical section protection not implemente#9	<UG	(%) ! ISSU)

2@121	ADC	Autosar re$uirement ADC21A is not taken care9	%ro&lem Description ' As per AUT (SAR re$uirement ADC21A all A%I functions: e6cept A#c_Init: A#c_DeInit an# A#c_Get8ersionInfo are re5entrant9 <ut in current implementation it is not taken care9 If t*e functions are calle# for #ifferent c*annel groups: in current implementation t*ese re5entrant A%I - ill not - ork properly9)6ample'5 Consi#er t*at SB triggere# ADC c*annel group 1 is alrea#y in $ueue9 Consi#ere# t*at - e call A#c_Rea#GroupEF for ADC group 1 an# A%I A#c_Disa&le?ar# - areTriggerEF is in oke# for ADC C*annel group 1 form a interrupt E>ike Timer ISRF - *en only D)T c*eck in A#c_Rea#GroupEF A%I is complete#9 T*en e6ecution of A#c_Rea#GroupEF is pus*e# to stack an# start e6ecution of A#c_Disa&le?ar# - areTriggerEF A%I9 B*en A#c_Disa&le?ar# - areTriggerEF A%I complete e6ecution: it pops t*e ADC c*annel group 1 from $ueue: trigger its con ersion: an# - *en A#c_Rea#GroupEF start e6ecution: it - ill gi e une6pecte# &e*a ior9 similar issues e6ist in most of t*e A%I+s: Re$uesting , (suggestions on same9)6pecte# <e*a ior ' Re$uirement s*oul# &e taken care properly an# A%I+s e6cept a&o e mentione# s*oul# &e re5entrant9 Actual <e*a ior ' Re$uirement is not taken care9	<UG	(%) ! ISSU)
2@121	ADC	, emory section mapping use# for glo&al aria&le MA#c_Gaa? - UnitIn#e6/4M an# MA#c_GaaResultGroupRamData/4M is not correct9	%ro&a&le Description'5 1)T*e glo&al aria&le MA#c_GaaResultGroupRamData/4M is mappe# to memory section MC(!"IG_DATA_U!S%)CI"I)D_S)C_START)DM EADC_START_S)C_C(!"IG_DATA_U!S%)CI"I)DF: <ut t*is glo&al aria&le is not initialiXe# in A#c_%<cfg9c EGenerate# fileF9 Declaration of t*is aria&le is as mentione# &elo - 9 e6tern 8AREA#c_8alueGroupType: ADC_!(I!IT_DATAF A#c_GaaResultGroupRamData/40 of A#c_Ram9c file9 29 T*e glo&al aria&le MA#c_Gaa? - UnitIn#e6/4M is mappe# to memory section M8AR_!(I!IT_U!S%)CI"I)D_S)C_START)DM EADC_START_S)C_C(!"IG_8AR_!(I!IT_U!S%)CI"I)DF: <ut t*is glo&al aria&le is of type const an# initialiXe# in A#c_%<cfg9c EGenerate# fileF9 Declaration of t*is aria&le is as mentione# &elo - 9 e6tern C(!STEuint@: ADC_C(!STF A#c_Gaa? - UnitIn#e6/40 of A#c_Ram9c file9 Suggeste# Solution' 1)A#c_GaaResultGroupRamData/4 glo&al aria&le nee#s to mappe# to UninitialiXe# aria&le section9 29A#c_Gaa? - UnitIn#e6/4 glo&al aria&le nee#s to mappe# to initialiXe# constant aria&le section9)6pecte# <e*a ior'5 !A Actual <e*a ior'5 !A	<UG	(%) ! ISSU)

2@123	ADC	Register ADCDnT?ST%CR EucADC;nT?ST%CRF nee#s to use instea# of ADCDnT?S , %STCR EucADC;nT?S , %STCRF to stop TP?9	%ro&lem Description ' Register ADCDnT?ST%CR EucADC;nT?ST%CRF nee#s to use instea# of ADCDnT?S , %STCR EucADC;nT?S , %STCRF to stop TRACG P ? (>D in follo - ing mentione# >ine of co#e9 As per #e ice manual R11U?12A0)R1171 Re 9197 1 section A19A913 ADCDnT?S , %STCR register is use# for starting TP?9 As per #e ice manual R11U?12A0)R1171 Re 9197 1 section A19A910 ADCDnT?ST%CR register is use# for stop TP?9 19 >pA#cRegisters5DucADC;nT?S , %STCR L ADC_Y)R (0 of A#c_%ri ate_ADCD_ADC<9c file in %ri ate A%I A#c_? - DeInitEF9 29 >pA#cRegisters5DucADC;nT?S , %STCR L ADC_<HT)_Y)R (0 of A#c_%ri ate_ADCD_ADC<9c file in %ri ate A%I A#c_? - StopGroupCon ersionEF9 A9 Also A#c_InitEF nee#s to up#ate to stop TP? &y setting t*is register9 Actual <e*a ior ' Register use ADCDnT?S , %STCR EucADC;nT?S , %STCRF to stop TRACG P ? (>D9)6pecte# <e*a ior ' Register ADCDnT?ST%CR EucADC;nT?ST%CRF nee#s to &e use to stop TRACG P ? (>D9	<UG	(%) ! ISSU)
2@1A2	ADC	Implementation of , RS re$uirement MAR_%!1170_"R_1211M is not proper9	%ro&lem Description' If - e call A#c_)na&leC*annelEF A%I &efore calling A#c_Disa&leC*annelEF A%I: illegal memory access - ill occur9 <ecause - *en - e call A#c_)na&leC*annelEF A%I internally pri ate A%I A#c_IntDisa&le)na&leC*annelEF - ill call as mentione# &elo - 9 A#c_IntDisa&le)na&leC*annelEGroup: C*annell#: ADC_TRU)F an# in pri ate A%I A#c_IntDisa&le)na&leC*annelEF: if >&lApiTypeE Ar# argumentF LL ADC_TRU): t*en: #ecrement t*e num&er of c*annels to #isa&le#:as mentione# in &elo - co#e >pGroupData5Duc!oofC*Disa&le#550 Initial alue of Muc!oofC*Disa&le#M is Xero: so after #ecrement it &ecome 233: - *ic* is not correct result in illegal memory access or une6pecte# &e*a ior in A%I A#c_Rea#GroupEF: A#c_GetStream>ast%interEF: A#c_ConfigureGroup"orCon ersionEF an# A#c_IsrConfigureGroup"orCon ersionEF9)6pecte# <e*a ior' !7A Actual <e*a ior' !7A Suggeste# solution' A## a D)T c*eck if particular c*annel is trying to ena&le &efore it is #isa&le#9	<UG	(%) ! ISSU)
2@1A3	ADC	8ersion c*eck for Dem9* file is not present9	%ro&lem #escription' As per autosar re$uirement ADC122 T*e ADC mo#ule s*all perform Inter , o#ule C*ecks to a oi# integration of incompati&le files9 <ut ersion c*eck for Dem9* file is not present in t*e a&o e mentione# file9 "I>) ' A#c_%ri ate_ADCD_ADC<9c)6pecte# <e*a ior ' 8ersion c*eck s*oul# &e #one9 Actual <e*a ior ' !o ersion c*eck is performe#9	<UG	(%) ! ISSU)

2@12A	ADC	General re$uirement MAR_%!11A2_"R_1123M is not consi#ere#9	%ro&lem #escription ' T*e D , A relate# registers are not initialiXe# in A#c_initEF9 T*e same issue is t*ere -it* follo-ing registers also' 19 ADCDnT?<CR EucADC;nT?<CRF: 29 ADCDnSGCR6 EucADC;nSGCR6F: A9 ADCDnSG8CS%6 EucADC;nSG8CS%6F 29 ADCDnSG8C)%6 EucADC;nSG8C)%6F 39 ADCDnSG , CHCR6 EucADC;nSG , CHCR6F 09 ADCDnU>> , SR6 EucADC;nU>> , SR6F 79 ADCDnADTI%Ry EulADC;nADTI%RyF @9 AD (%DIGn EulAD (%DIGnF =9 ADCDnT?ACR 119 ADCDnT?CR 119 ADC;nU>> , T<R 1 to 2 are not initialiXe# in A#c_InitEF9 <ut as per General , RS MAR_%!11A2_"R_1123M ' T*e C , S!D_Init A%I s*all ensure t*at t*e relate# perip*eral is running correctly: e en if t*e perip*eral -as pre iously configure# &y anot*er Application t*at c*ange# t*e registers+ #efault alues9 T*ere&y t*is General re$uirement MAR_%!11A2_"R_1123M is not consi#ere# for a&o e mentione# registers9)6pecte# <e*a ior' T*e general , RS re$uirement MAR_%!11A2_"R_1123M s*oul# &e taken care for all a&o e mentione# registers an# D , A relate# registers an# all s*oul# &e initialiXe# in A#c_initEF9	<UG	(%)! ISSU)
2@131	ADC	AUT (SAR re$uirement ADC177 is not taken care -*ile implementing A#c_InitEF9	%ro&lem Description' As per t*is re$uirement: /ADC1774 T*e function A#c_Init s*all #isa&le t*e notifications an# *ar# -are trigger capa&ility if statically configure# as acti eF9 Configure# ?B triggers are not #isa&le# in A#c_InitEF9 If -e consi#er General , RS re$uirement MAR_%!11A2_"R_1123M: it nee#s to &e correcte# accor#ingly9 As per t*is re$uirement'5 MT*e C , S!D_Init A%I s*all ensure t*at t*e relate# perip*eral is running correctly: e en if t*e perip*eral -as pre iously configure# &y anot*er Application t*at c*ange# t*e registers+ #efault alues9 M)6pecte# <e*a ior' Configure# ?B triggers to &e #isa&le# in A#c_InitEF Actual <e*a ior' Configure# ?B triggers are not #isa&le# in A#c_InitEF9	<UG	(%)! ISSU)

2@13@	ADC	T*e Cautions mentione# in De ice manual are not implemente#9	%ro&lem Description' "or e6ample As per Caution/14' section A19A9= To pre ent malfunctions: make ADCDnADCR1 settings after making or confirming t*e follo - ing settings9 E1F ?>DT) of TP? group A an# < are 19 E2F ADSTART) of all scan groups are 1 an# TRG , D of all scan groups are 1?9 EAF SGACT of all scan groups are 1 E&efore scan groups are starte#F94 <efore setting alue to ADCDnADCR1 EucADC;nADCR1F Register in A#c_%ri ate_ADCD_ADC<9c file in A#c_? - InitEF A%l: - e are not setting t*e &its or alues of t*ese register &its mentione# in Caution are unkno - n to t*e #ri er9 So &ase# on General , RS re$uirement MAR_%!11A2_"R_1123M t*is is to &e implemente#9 Same type of issues are applica&le for follo - ing registers also9 %lease c*eck all applica&le Cautions9 19 ADCDnADCR2 EucADC;nADCR2F 29 ADCDnS"TCR EucADC;nS"TCRF A9 ADCDnTDCR EucADC;nTDCRF 29 ADCDn (DCR EucADC;n (DCRF 39 ADCDnT?ACR EucADC;nT?ACRF 09 ADCDnT?)R EucADC;nT?)RF 79 ADCDnT?GSREusADC;nT?GSRF @9 ADCDnSG8CS%6 EucADC;nSG8CS%6F =9 AD (%DIGn EulAD (%DIGnF)6pecte# <e*a ior' none	<UG	(%)! ISSU)
2@103	ADC	D) , error is not reporte# for (er - rite)rror in error ISR A#c_)rrIsrEF	%ro&lem #escription' In t*e A%l A#c_)rrIsrEF: ucADC;n (B)R register is only use# to calculate %*ysical c*annel ID9 Un#erstan#ing is t*at D) , error of (er - rite)rror also nee#s to &e reporte#9 Also a## similar D) , error report to ot*er errors like %arity)rror: Upper 7 lo - er limit error an# ID)rror9)6pecte# <e*a ior' D) , error nee#s to &e reporte#9 Actual <e*a ior' D)m error is not reporte#9	")ATUR)	(%)! ISSU)

2@17=	ADC	De ice manual CAUTI (! is not consi#ere# for implementation in A#c_? - InitEF an# A#c_? - DeInitEF	%ro&lem Description' CAUTI (! mentione# in section 7911929 1A of R11U?12A0)R11171 Re 91971: is not consi#ere# for implementation 9 As per #e ice manual Caution MDT"R9R)NS)> can &e c*ange# - *ile DT"R9R)N) ! is 19M <ut in current implementation &ot* &its R)NS)> an# R)N) ! of DT"Rn Register are up#ating simultaneously as mentione# in &elo - co#e snippet9 In A#c_? - InitEF' >pDmaRegisters5DulDT"Rn L >pSGmDmaConfig5DulDmaDtfrReg8alue0 ulDmaDtfrReg8alue is generate# alue contain alue of &ot* &its R)NS)> an# R)N) ! of DT"Rn Register9 In A#c_? - DeInitEF' >pDmaRegisters5DulDT"Rn L ADC_D (U<>)_B (RD_Y)R (0 Un#erstan#ing is t*at &efore c*anging t*e alue of DT"R9R)NS)>: nee#s to clear &it DT"R9R)N) !9)6pecte# <e*a ior' %lease up#ate t*e #esign as &elo -9 In A#c_? - InitEF 19 Reset' DT"RRNn register E1611F 29 Clear &its >pDmaRegisters5DulDC) ! n L ADC_D , A_DT)_DISA<>)0 A9 >pDmaRegisters5DulDT"Rn L >pSGmDmaConfig5DulDmaDtfrReg8alue0 "or A#c_? - DeInitEF , ake similiar c*anges Actual <e*a ior' In A#c_? - InitEF'	<UG	(%) ! ISSU)
2@1@2	ADC	Clearing of ID)rror is not correct9	%ro&lem Description ' Clearing of)rror flags are not correct: In current implementation ADCDnI)R9ID) error flag for ID)rror is not clearing9 >pA#cRegisters5DucADC;n)CR L ADC_C?GC>R_)RR (R_">AG0 of A#c_%ri ate_ADCD_ADC<9c file in A#c_)rrIsrEF %ri ate A%l is use# to clear all t*e error flag9 As per #e ice manual R11U?12A0)R1171 Re 91971 Section A19A92=: register ADCDn)CR E)rror Clear RegisterF last 2 #igits s*oul# &e set to clear all error flag9 In A#c_%<Types_ADCD_ADC<9* file ADC_C?GC>R_)RR (R_">AG alue of t*is macro is 161)9 So last ADCDnI)R9ID) &it is not clear9 Suggeste# Solution ' A#c_%<Types_ADCD_ADC<9* file ADC_C?GC>R_)RR (R_">AG alue of t*is macro s*oul# &e 161" to clear all t*e flag9 Actual <e*a ior ' ID error is not getting clear - *en all t*e error flags are ma#e clear9)6pecte# <e*a ior ' ID error s*oul# also getting clear - *en all t*e error flags ma#e clear9	<UG	(%) ! ISSU)

2@1@7	ADC	Implementation of , RS re$uirement AR_%!1170_"R_11@7 an# AR_%!1170_"R_11@= is not proper9	pro&lem Description ' 19 , RS re$uirement MAR_%!1170_"R_11@7M is nee#s to &e take care in Tool co#e: <ut in current implementation its not taken care9 As per De ice manual R11U?12A0)R1171 Re 9197 1 section A19A92@: num&er of ADCDnU>> , T<R6 register is A E6 L 1: 1: 2F9 In current implementation tool co#e - ill not gi e any error e en if - e configure c*annel *a ing limit c*eck more t*an 2: - *en alue of parameter MA#c%riorityImplementationM L ADC_%RI (RITH_! (!)9 29 , RS re$uirement MAR_%!1170_"R_11@=M is nee#s to &e take care in Tool co#e: <ut in current implementation its not taken care9 As per De ice manual R11U?12A0)R1171 Re 9197 1 section A19A92@: num&er of ADCDnU>> , T<R6 register is A E6 L 1: 1: 2F9 In current implementation tool co#e - ill not gi e any error e en if - e configure c*annel *a ing limit c*eck more t*an 2: - *en alue of parameter MA#c%riorityImplementationM L ADC_%RI (RITH_?B_SB or ADC_%RI (RITH_?B9 Actual <e*a ior ' "or &ot* case generation tool co#e is not generating ali#ation error: if limit c*eck ena&le# for more t*an A c*annel Group - it* #ifferent >imit c*eck setting9 Un#erstating is t*at: it - ill not - ork properly - *en t*ese groups are $ueue#9)6pecte# <e*a ior ' "or &ot* case proper ali#ation nee#s to a## in Tool co#e9 Re$uire# , (suggestion on same9	<UG	(%)! ISSU)
2@1@@	ADC	Register MADCDn)CRM EucADC;n)CRF is not *an#le# properly in A#c_DeInit an# A#c_InitEF A%I+s9	%ro&lem #escription' In pri ate A%I A#c_InitEF register MADCDn)CRM EucADC;n)CRF is not implemente#9 an# also in pri ate A%I A#c_DeInitEF register MADCDn)CRM EucADC;n)CRF is upate# - it* Xero as mentione# &elo - ' >pA#cRegisters5DucADC;n)CR L ADC_Y)R (0 Un#erstan#ing is t*at to clear error flags ADCDn (B)R9(B): ADCDn%)R9%) an# ADCDnI)R9ID): - e nee# to set E - rite 1F to respecti e &its of t*e MADCDn)CRM EucADC;n)CRF register in A#c_DeInitEF an# A#c_InitEF A%I9 Be can also consi#er general , RS re$uirement MAR_%!11A2_"R_1123M: As per t*is re$uirement: T*e A#c_Init A%I s*all ensure t*at t*e relate# perip*eral is running correctly: e en if t*e perip*eral - as pre iously configure# &y anot*er Application t*at c*ange# t*e registers+ #efault alues9 an# autosar re$uirement ADC111 ' T*e function A#c_DeInit s*all return all ADC ?B Units to a state compara&le to t*eir po - er on reset state9 8alues of registers - *ic* are not - ritea&le are e6clu#e#9 ItZs t*e responsi&ility of t*e *ar# - are #esign t*at t*is state #oes not lea# to un#efine# acti ities in t*e [C9)6pecte# <e*a ior ' Register ADCDn)CRM EucADC;n)CRF s*oul# &e up#ate# correctly in A#c_Init an# A#c_DeInit A%Is as per re$uirements9 Actual <e*a ior ' Register ADCDn)CRM EucADC;n)CRF is not *an#le# as per t*e re$uirements9	<UG	(%)! ISSU)

2@212	ADC	AUT(SAR Re$uirement ADC1=1 an# ADC277 is not taken care9	19 as per ADC1=1 re$uirement ' MT*e ADC mo#ule7s configuration s*all &e suc* t*at an ADC C*annel group contains at least one ADC C*annelM In current implementation AUT(SAR Re$uirement ADC1=1 is not taken care: in generation tool9 As per current implementation: tool co#e is not gi ing any proper error e en if no c*annel is configure# un#er a ADC Group an# tool co#e -ill cras* &y gi ing error M)RR12A111M: -*ic* is not correct9 29 As per ADC277 Re$uirement: MT*e ADC mo#ule7s configuration s*all &e suc* t*at all c*annels containe# in one ADC C*annel group s*all &elong to t*e same ADC ?B Unit9M Its foun# t*at t*is SBS re$uirement is not mappe# properly in TSDD: Tracea&ility an# TST%: t*at+s nee#s to fi6 accor#ingly9 ,ost of t*e re$uirement are not tracke# properly in Tracea&ility s*eet9)6pecte# <e*a ior ' point 19 Tool co#e s*oul# gi e a error message stating no c*annel is configure# for particular ADC group9 point 29 Up#ate TSDD: TST%: Tracea&ility Actual <e*a ior ' point 19 Tool co#e cras* if no c*annel is configure# for a ADC group9 point 29 Re$uirements are not tracke# properly in Tracea&ility s*eet9	<UG	(%)! ISSU)
2022	Can	Transmission ?istory >ist issues	1F CanIf ECanIf_T6ConfirmationF is &eing calle# -*ile looping &y t*e Can_T6Confirmation%rocessing function9 Any processing isn+t &eing #one &y *ar#-are: so I+m t*inking t*e time5out isn+t &eing confirme#9 So #on+t -e *a e to c*eck t*e time out *an#ling *ere\ 2F It+s -ritten on MC>)ARI!G (" A>> TRA!S ,IT ,)SSAG) <U"")RSM an# a comment in t*e Can_Start ,o#e function: &ut *o- is a transmission *istory &uffer initialiXe#\ RSCA!1T?>ACCm an# RSCA!1T;N%CTRm resister -eren+t &eing rea#: so I #i#n+t un#erstan# *o- to &e initialiXe#9	<UG	(%)! ISSU)
20=1A	Can	%<cfg file Generation operation terminate# #ue to Illegal #i ision &y Xero	%ro&lem #escription' Generation terminate# #ue to Illegal #i ision &y Xero at 7%erlApp7<s -Config8ali#ate9pm line 3019 can_;1;9e6e Can9ar6ml Sample_Application_"169tr6ml R21A_can_"16_<SB ,DT9ar6ml)cu ,9ar6ml ,cu9ar6ml (s9ar6ml Dem9ar6ml I!"111111' Tool 8ersion' 1929A I!"111112' Comman# line arguments' Can_;169e6e Can9ar6ml Sample_Application_"169tr6ml R21A_can_"16_<SB ,DT9ar6ml)cu ,9ar6ml ,cu9ar6ml (s9ar6ml Dem9ar6ml Illegal #i ision &y Xero at 7%erlApp7<s -Config8ali#ate9pm line 3019)6pecte# &e*a ior' %<cfg file Generation operation s*oul# not &e terminate#9 If any error occurre# Generator tool s*oul# t*ro- out error -it* am&iguous error message9 Actual &e*a ior' %<cfg file Generation operation is terminate# #ue to Illegal #i ision9If any error occurre# Generator tool is t*ro-ing out error -it* unam&iguous error message9	<UG	(%)! ISSU)

27121	Can	Balking 1 pattern is not implemente# in Can_RamTst_Balk%at*_Algorit*mEF A%I	%ro&lem #escription' As per Renesas re$uirement AR_%!110=_"R_1124:t*e RA , is c*ecke# &y using #ata patterns Ec*ecker pattern: -alking51 an# -alking51 patternF9 <ut in t*e current implementation -alking51 pattern is not implemente#9 T*is s*all &e implemente# as an en*ancement: &ut it is not a &ug since Balking M1M*s pattern an# Balking M1M*s pattern is similar9)6pecte# &e*a iour' As per re$uirement -alking51 pattern s*all &e implemente#9 Actual &e*a iour' In t*e current co#e: -alking51 pattern is not implemente#9	<UG	(%)! ISSU)
271@A	Can	Can_SelfTestC*annel A%I e6ecutes in mo#es ot*er t*an ST(%%)D	%ro&lem #escription' If t*e controller is not in ST(%%)D state: t*e function +Can_SelfTestC*annel+ s*all &e a&orte# an# returns)_!(T_(G9 <ut as per t*e current implementation: t*is c*eck is not pro i#e# an# t*e co#e try to set t*e operation mo#e as ?alt mo#e9)6pecte# &e*a ior' T*e function s*all &e a&orte# an# returns)_!(T_(G: if t*e controller is not in t*e ST(%%)D state9 Actual &e*a ior' %lease see t*e pro&lem #escription9	<UG	(%)! ISSU)
27027	Can	Transmission occurs e en if t*e return of Can_-riteEF A%I is CA!_<USH	%ro&lem #escription' If cancellation is ena&le#: cancellation *as to &e initiate# for t*e lo-er priority ID7I#entical ID Eif i#entical I# cancellation is also ena&le#F re$uest -*en t*e -rite re$uest came -it* t*e *ig*er priority ID 7 i#entical ID for t*e same ?T?9 T*e T; re$uest for t*e ne->5%DU s*all &e repeate# &y t*e CanIf mo#ule: insi#e t*e notification function CanIf_CancelT6Confirmation 5 re$uirement /CA!2@@49 If cancellation is #isa&le#: t*e ne- Can_BriteEF re$uest for t*e same ?T? s*all not &e accepte# an# returne# -it* CA!_<USH9 T*e first -rite re$uest s*all &e transmitte# -*ic* -as in pen#ing state9 T*e same information is co ere# -it* t*e re$uirements /CA!21A4: /CA!2124: /CA!2134 an# /CA!2A24)6pecte# <e*a iour' 19 T*e transmission s*all not &e t*ere for t*e Can_BriteEF re$uest -*en its return alue is CA!_<USH9 29 T*e cancellation of t*e pen#ing transmission *as to *appen properly: -*en transmission cancellation is ena&le#9 Actual <e*a iour' In #ifferent scenarios t*e transmission of t*e frame *appens e en after returning t*e reply as CA!_<USH for t*e Can_BriteEF A%I call9);' 19 B*en t*e cancellation is (""EIn polling mo#eF: *o-e er t*e return alue of t*e Can_BriteEF re$uest for t*e same ?T? is CA!_<USH: t*e transmission of t*e frame is o&ser e# on t*e CA!AlyXer an# also T6 confirmation is recei e#9 29 B*en I#entical ID cancellation is (!: *o-e er t*e return for t*e Can_BriteEF re$uest for t*e same ?T? -it* i#entical ID is CA!_<USH as e6pecte# an# cancel confirmation is recei e#: t*e transmission is *appening -it*out re5re$ueste# as state# in re$uirement /CA!2@@49 Also complete frame #ata is +1+ an# T6 confirmation is recei e# as -ell9 A9 B*en cancellation is (!: *o-e er t*e return for t*e Can_BriteEF re$uest for t*e same ?T? -it* *ig*er priority ID is CA!_<USH as e6pecte# an# cancel confirmation is recei e#: t*e transmission is *appening -it*out re5re$ueste# as state# in re$uirement /CA!2@@4 an# also T6 confirmation is recei e#9	<UG	(%)! ISSU)

27**02=**	Can	**?**t***** Cancellation is not notife# correctly to t*****e upper layer ECanIfF in case of multiple **?**t***** to cancel	%ro&lem #escription' T*****ere is no **- ***ile loop: &ut unnecessarily >ucArr%osition incremente# an# **-** rong comment pro i#e#9 uint@_least >ucArr%osition0 55co#e5555 if E>&IT6Cancel"lag **LL** CA **!** _TRU**)**F T **7W** Set t*****e <asicCA **! ?**T**?** count to ma6imum to e6it t*****e **- ***ile loop W7 >ucArr%osition **L** >p%<Controller5Duc **!** o **(** f<asicCan**?**t*****0 **7W** Set t*****e T**;** Cancellation Status flag of t*****e **?**T**?** W7 Can_RSCA **!** _GaaT6CancelSts"lgs**/E>**ucArr%osition **DD** CA **!** _T**?**R**))**F4 **L** ECan_RSCA **!** _GaaT6CancelSts"lgs**/E>**ucArr%osition **DD** CA **!** _T**?**R**))**F4F **V** EEuint@FECA **!** _**(!) CC** E>ucCount **]** CA **!** _**)**IG**?**TFFF0 **7W** Increment t*****e array position to point to ne6t **W <**asicCA **! ?**T**?** of t*****e controller **W7** >ucArr%osition^^0 U else T **7W ! o** action re**$**uire# **W7** U **)6**pecte# &e*****a ior' **!** one Actual &e*****a ior' **!** one	<UG	**(%) !** ISSU**)**
27**031**	Can	**,** ultiple D**)**T error reporting from one A%l not compliant **-** it***** AUT **(** SAR re**$**uirement	Description' Accor#ing to CA **! 1=**1 from AUT **(** SAR **2**919A CA **!** S**B**S 5 a function t*****at reports a #e elopment error s*****all return imme#iately after9 In many CA **!** #ri er A%ls multiple errors are c*****ecke# an# reporte#**:** &efore t*****e function returns9 **)6**amples' W Can_InitEF may report CA **!** _**)**_TRA **!** SITI **(! :** CA **!** _**)**_%ARA **,** _%**(** I **!** T**)**R &efore it returns W Can_Can_InitControllerEF may report e9g9 CA **!** _**)**_U **! ! !** IT an# CA **!** _**)**_%ARA **,** _%**(** I **!** T**)**R &efore it returnsF **)6**pecte# &e*****a iour' **)** ery CA **!** #ri er A%l s*****oul# return imme#iately **-** it***** not action after a #e elopment error is #etecte# is reporte# Actual &e*****a iour' In some case in CA **!** A%ls multiple #e elopment errors can &e reporte#**:** like for Can_InitEF**:** Can_InitControllerEF	<UG	**(%) !** ISSU**)**
27**032**	Can	D**) ,** ersion C*****eck is missing	%ro&lem Description' As per t*****e re**$**uirement **/**CA **!** 1114E<S**B112**F**:** t*****e AUT **(** SAR ma\or an# minor release ersion nee#s to &e c*****ecke# for all t*****e e6ternal mo#ules9 **<**ut t*****e ersion c*****eck for t*****e D**) ,** mo#ule is missing9 **)6**pecte# **<**e*****a iour' T*****e compilation error s*****all &e reporte# **- ***en t*****e D**) ,** mo#ule **-** it***** #ifferent AUT **(** SAR release ersion is integrate#9 Actual &e*****a iour' T*****e compilation is *****appening successfully e en **- ***en t*****e D**) ,** mo#ule **-** it***** #ifferent AUT **(** SAR release ersion is integrate#9	<UG	**(%) !** ISSU**)**
2772**2**	Can	T*****e **,** CA> CA **!** #ri er s*****all clear t*****e correspon#ing **B**U" flag in t*****e ISR EAR_% **! 110=_"**R_**11**2**3**F	%ro&lem Description' T*****e **,** CA> CA **!** #ri er **-** ill not clear t*****e correspon#ing **B**U" flag in t*****e ISR if t*****e precompile configuration parameter Can**B**akeUp"actorClearIsr is set to TRU**)**9 Default alue s*****oul# &e "A>S**)**9 %D" is re ie**-** e# an# foun# t*****at t*****e parameter Can**B**akeUp"actorClearIsr is not implemente#9 **)6**pecte# **<**e*****a ior' AR_% **! 110=_"**R_**11**2**3** s*****all &e implemente#9 Actual **<**e*****a ior' AR_% **! 110=_"**R_**11**2**3** is not implemente# properly	<UG	**(%) !** ISSU**)**

27@72	Can	Autosare re$uirment CA!103_Conf is not taken care	%ro&lem Description' As per Autosare SBS CA!103_Conf: CanI#Type s*all support IDs of type STA!DARD: ,I;)D an#);T)!D)D9 In t*e current implementation only STA!DARD an#);T)!D)D types are taken care9)6pecte# <e*a ior' ,I;)D ID type s*all also &e supporte# &y t*e %D"9 Actual <e*a ior'!A	<UG	(%)! ISSU)
27@@1	Can	A##itional A%I to cancel T6 is not a aila&le for CanIf 7 Upper layer9	%ro&lem Description' T*e internal function _Can_T6Cancel` is a aila&le as pri ate A%I9 As per t*e re$uirement #escription: t*e A%I s*all &e a aila&le as pu&lic A%I suc* t*at CanIf AUT(SAR mo#ule can *a e correspon#ing call to t*is A%I in or#er to use it9  )6pecte# <e*a ior' T*e internal function _Can_T6Cancel` s*all &e a aila&le as a##itional A%I Epu&licF Actual <e*a ior'!A	<UG	(%)! ISSU)
27@@2	Can	CA!_)_DATA>(ST #e elopment error is not reporte#	%ro&lem #escription' Accor#ing to AUT(SAR 2%1%A CA! SBS CA!A=3'MIf t*e #e elopment error #etection for t*e Can mo#ule is ena&le#: t*e Can mo#ule s*all raise t*e error CA!_)_DATA>(ST in case of _o er-rite` or _o errun` e ent #etection%M T*is D)T error CA!_)_DATA>(ST is #eclare# in Can9* &ut it is not use# in t*e co#e9)6pecte# &e*a iour' De elopment error CA!_)_DATA>(ST s*oul# &e reporte# if o er-rite or o errun e ents are #etecte# in t*e reception &uffers9 Actual &e*a iour' CA!_)_DATA>(ST #e elopment error reporting is no-*ere encountere# in CA! #ri er co#e	<UG	(%)! ISSU)
27=A2	Can	Une6pecte# <e*a ior of in Can-ake up	%ro&lem #escription' CA!-ake up s*o-s une6pecte# &e*a ior9 Bake up ISR is getting triggere#: e en if-ake up is not initiate#9)6pecte# <a*a ior' Bake up s*all &e triggere# only on occurance of a-ake up e ent Actual <e*a ior' Un#efine# &e*a ior of CA!-ake up	<UG	(%)! ISSU)
27=23	Can	Can_Brite re$uest returns CA!_(G-*en ?T? is &usy	%ro&lem Description' Can_Brite re$uest returns CA!_(G-*en ?T? is &usy to process anot*er transmit re$uest9 Can transmission s*all only &e initiate# after getting t6 confirmation on t*e last transmitte# message9)6pecte# <e*a ior' Can_Brite re$uest s*all return CA!_<USH-*en ?T? is &usy to process anot*er transmit re$uest Actual <e*a ior'!A	<UG	(%)! ISSU)
27=03	Can	Can mo#ule is malfunctioning on ?B T6 Cancellation9	%ro&lem #escription' Can mo#ule is malfunctioning -*en ?B T6 Cancellation support is ena&le# an# a Transmit a&ort re$uest -as not successful Et*e CA! frame -as transmitte#F9 It t*is particular case: once t*e T6 Cancellation is initiate# insi#e t*e Can mo#ule source co#e t*e glo&al transmit cancel flag _Can_G&lT6CancelInt"lg` is set to CA!_TRU)9 >ater t*is flag _Can_G&lT6CancelInt"lg` is cleare# insi#e t*e source co#e in oke#-*en t*e MI!TCnBU%M interrupt is ser ice#9 <ut in t*e current use case: since t*e Transmit a&ort re$uest -as not successful: t*e MI!TCnBU%M interruupt is not acti ate#9 Instea#: t*e MI!TCnTR;M interrupt is acti ate# Eframe successfully transmitte# from message &uffer mF: &ut t*e source co#e in oke#-*en MI!TCnTR;M interrupt is ser ice# Ee69 CA!_C(!TR(>>)R1_T;_ISRF #oes not clear t*e _Can_G&lT6CancelInt"lg` flag9 T*e flag remains set an# t*is causes su&se$uent calls to MCan_BriteEFM to fail an# return MCA!_<USHM result9 T*is ren#ers t*e Can mo#ule incapa&le to transmit CA! frames any more Euntil &eing re5initialiXe#F9 Actual &e*a ior'!7A)6pecte# &e*a ior'!7A	<UG	(%)! ISSU)
2@171	Can	/;164/CA!4 Can_RamTst_Balk%at*_Algorit*m is not calle# from Can_RA, Test A%I	%ro&lem Description' B*ile up#ating)C(D) for merging t*e c*anges #one as part of "1?)2%11%11 release to trunk: in Can_RA, Test A%I call of +Can_RamTst_Balk%at*_Algorit*m+-as replace# &y +Can_RamTest_C*ecker_Algorit*m+9 So no-instea# of calling Can_RamTst_Balk%at*_Algorit*m: Can_RamTest_C*ecker_Algorit*m is calle# secon# time9 Bork Aroun#' Repeate# call of +Can_RamTest_C*ecker_Algorit*m+ *as to &e replace#-it* +Can_RamTst_Balk%at*_Algorit*m+9)6pecte# &e*a ior' Can_RamTst_Balk%at*_Algorit*m s*oul# &e calle# from Can_RA, Test A%I9 Actual &e*a ior' Can_RamTst_Balk%at*_Algorit*m is not calle# from Can_RA, Test A%I9	<UG	(%)! ISSU)

2@31A	Can	CA!_)_DATA>(ST #e elopment error is not reporte#	%ro&lem #escription' Accor#ing to AUT(SAR 2919A CA! SBS CA!A=3'Mlf t*e #e elopment error #etection for t*e Can mo#ule is ena&le#: t*e Can mo#ule s*all raise t*e error CA!_)_DATA>(ST in case of _o er-rite` or _o errun` e ent #etection9M T*is D)T error CA!_)_DATA>(ST is #eclare# in Can9* &ut it is not use# in t*e co#e9)6pecte# &e*a iour' De elopment error CA!_)_DATA>(ST s*oul# &e reporte# if o er-rite or o errun e ents are #etecte# in t*e reception &uffers9 Actual &e*a iour' CA!_)_DATA>(ST #e elopment error reporting is no-*ere encountere# in CA! #ri er co#e	<UG	(%)! ISSU)
2@313	Can	,ultiple polling perio# for T6 an# R6E ali# for RA92an# R296F is not supporte#	%ro&lem Description' T*is is a task to erify t*e possi&ility to configure an# *an#le multiple transmission or reception in polling mo#e &ase# on SBS RA92 ID' CA!A30:CA!2A0ER6F an# CA!A3@: CA!A23ET6F9 T*e solution to t*is issue is to up#ate t*e CA! co#e generator to count *o- many instances of t*e parameter Can,ain"unctionBrite%erio# an# Can,ain"unctionRea#%erio# are configure# an# &ase# on t*is to generate t*e opportune num&er of macro !#efines Can_,ain"unction_Brite_1 !#efine Can_,ain"unction_Rea#_1 for t*e 1st instance: !#efine Can_,ain"unction_Brite_1 !#efine Can_,ain"unction_Rea#_1 for t*e 2n# instance T*e generate# co#e s*oul# look like t*is' 7W%olling %erio#1 for BriteW7 !#efine Can_,ain"unction_Brite_1EF Can_,ain"unction_BriteEF 7W%olling %erio# 1 for BriteW7 !#efine Can_,ain"unction_Brite_1EF Can_,ain"unction_BriteEF 999etc9)6pecte# &e*a iour' !7A Actual <e*a iour'	<UG	(%)! ISSU)
2@321	Can	Restrict t*e &au#rate to only a limite# range is -rong9	Restrict t*e &au#rate to only a limite# range is -rong9 T*ere are ot*er &ua#rate like 31G or 23G t*at can &e realiXe#9 Actually t*e generator impelementation is to occur error: if t*e alue of t*e parameter CanController<au#Rate is ot*er t*an AA:@A:111:123:231:311 or 1111G&ps for t*e particular controller9 Actual <e*a iour')rror occurs: if t*e alue of t*e parameter CanController<au#Rate is ot*er t*an AA:@A:111:123:231:311 or 1111G&ps for t*e particular controller9)6pecte# <e*a iour')rror s*oul# not occur: if t*e alue of t*e parameter CanController<au#Rate is ot*er &ua#rate like 31G or 23G9	<UG	(%)! ISSU)

20231	DI (	Glo&al aria&le EDio_Gus ! o (fC*annelGroupsF an# config structure mem&er Eus ! oofC*annelGroupsF names are mislea#ing	%ro&lem Description' T*e glo&al aria&le +Dio_Gus ! o (fC*annelGroups+ - *ic* is initialise# - it* t*e alue of t*e config structure mem&er +us ! oofC*annelGroups+ is use# as offset for accessing t*e c*annel group structure - *en multi config set comes into picture9 <ut t*e name suggests t*at it *ol#s t*e alue of Mnum&er of c*annel groups configure#M - *ic* mislea#ing9)9g9' If @ c*annel groups are configure# - it* t - o config sets Eeac*F: t*e *an#les - ill &e generate# as: I #efine DioConf_DioC*annelGroup_DioC*annelGroup1 EPDio_GstC*annelGroupData/14F I #efine DioConf_DioC*annelGroup_DioC*annelGroup2 EPDio_GstC*annelGroupData/14F I #efine DioConf_DioC*annelGroup_DioC*annelGroupA EPDio_GstC*annelGroupData/24F I #efine DioConf_DioC*annelGroup_DioC*annelGroup2 EPDio_GstC*annelGroupData/A4F I #efine DioConf_DioC*annelGroup_DioC*annelGroup3 EPDio_GstC*annelGroupData/24F I #efine DioConf_DioC*annelGroup_DioC*annelGroup0 EPDio_GstC*annelGroupData/34F I #efine DioConf_DioC*annelGroup_DioC*annelGroup7 EPDio_GstC*annelGroupData/04F I #efine DioConf_DioC*annelGroup_DioC*annelGroup@ EPDio_GstC*annelGroupData/74F It s*all generate @ *an#les pointing @ c*annel group structures an# t*e c*annel structures =510 - *ic* is applica&le for secon# config set s*all &e accesse# - it* t*e *elp of same *an#les - it* offset alue in +Dio_Gus ! o (fC*annelGroups+9 i9e9 B *en config set 1 is initialise# its alue - ill &e 19 B *en config set 1 is initialise# its alue - ill &e @ for t*e a&o e case9)6pecte# <e*a ior' T*e name of t*is glo&al aria&le an# respecti e config structure mem&er *as to &e correcte# - it* meaningful name - *ic* is near to it usage9)6' +Dio_GusC*annelGroups (ffset+ an# +usC*annelGroups (ffset+ respecti ely9 Actual <e*a ior' 8aria&le names are mislea#ing	<UG	(%) ! ISSU)
20372	DI (	(ptimiXe t*e e6ecution time of RSR register setting se$uence	%ro&lem #escription' C*eck t*e pin #irection an# prepare t*e alue an# - rite to psr register - ill take less time to e6ecute - *en t*e pin #irection c*eck is faile#E&eginning c*eck itself it - ill come outF9 As per current met*o#) en t*e pin #irection c*eck is faile#: %repare t*e alue to set to t*e register operation is performe#9)6pecte# &e*a ior' 19C*eck t*e pins #irection9EC*eck t*e % , SR register9F 29%repare t*e alue to set to t*e register9 A9Brite t*e %SR register9 Source ' %lease refer to t*e attac*e# file9E%ropose# amen#mentsF Dio_BriteC*annel 10@51=1 Dio_BriteC*annelGroup 21752103 Dio_ , aske#Brite%ort 3@253=1 Actual &e*a ior' 19%repare t*e alue to set to t*e register9 29C*eck t*e pins #irection9EC*eck t*e % , SR register9F A9Brite t*e %SR register9 "unction ' Dio_BriteC*annel: Dio_BriteC*annelGroup: Dio_ , aske#Brite%ort >ine ' Dio_BriteC*annel =A15=30 Dio_BriteC*annelGroup 137A5103@A Dio_ , aske#Brite%ort 171251721	<UG	(%) ! ISSU)

2772=	DI (	Unreac*a&le co#e present in Dio9c	In A%I Dio_Rea#C*annelGroup an# A%I Dio_**B**riteC*annelGroup: In t*e &elo - co#e if t*e first con#ition got true: co#e - ill not go insi#e else part9 If t*e first con#ition fails t*e secon# con#ition - oul# also &e false9 So t*e co#e insi#e t*e secon# if &lock is unreac*a&le t*at is #ea# co#e9 T*e issue is foun# #uring UT9 if EC*annelGroupI#%tr **LL !** U>>_%TRF T 7W TRAC**)** /RA: DI **(** 1**2**14/R**2:** DI **(** 1**2**14 W7 7W TRAC**)** /R**2:** DI **(** 17@4 W7 7W Report **)**rror to D**)**T W7 E oi#FDet_Report**)**rrorEDI **(** _ **,** **(** DU**>)**_ID: DI **(** _I **!** STA **!** C**)**_ID: DI **(** _**B**RIT**)**_C**?**A **! !)>**_GR **(** U%_SID: DI **(** _**)**_%ARA **,** _% **(** I **!** T**)**RF0 **>**enDet**)**rr"lag **L)**_ **(** G0 U else T 7W Get t*e pointer to correspon#ing in#e**6** in t*e array Dio_GstC*annelGroupData W7 7W **,** ISRA **8**iolation' START **,** sgE**2'12=**2F**50** W7 **>**pC*annelGroup%tr **L P**C*annelGroupI#%tr**/**Dio_Gus **!** o **(** fC*annelGroups40 7W **) !** D **,** sgE**2'12=**2F**50** W7 if E **!** U**>>**_%TR **LL >**pC*annelGroup%trF T 7W Report **)**rror to D**)**T W7 E oi#FDet_Report**)**rrorEDI **(** _ **,** **(** DU**>)**_ID: DI **(** _I **!** STA **!** C**)**_ID: DI **(** _**B**RIT**)**_C**?**A **! !)>**_GR **(** U%_SID: DI **(** _**)**_%ARA **,** _I **!** **8**A**>**ID_GR **(** U%F0 **>**enDet**)**rr"lag **L)**_ **(** G0 U else	<UG	**(%) !** ISSU**)**
2**03=2**	**">**S	**/"**1**>4/">**S4 **,** ismatc*** in memory mapping of "ls_ **,** ain"unction	%ro&lem #escrip**a**on'♂ T*ere is a mismatc* in t*e memory mapping of "ls_ **,** ain"unction9 In "ls9***:** "ls_ **,** ain"unction is mappe# to **">**S_START_S**)**C_%U**<>**IC_C **(** D**)**'ESee t*e co#e &elo - F 2**32 ' I**#efine **">**S_START_S**)**C_%U**<>**IC_C **(** D**)** 2**33 ' I**inclu#e M **,** em **,** ap9***M** 2@**1 '** e**6**tern "U **!** CE oi#: **">**S_%U**<>**IC_C **(** D**)**F "ls_ **,** ain"unctionE oi#F0 In "ls9c: "ls_ **,** ain"unction is mappe# to **">**S_START_S**)**C_SC**?)**DU**>)**R_C **(** D**)**ESee t*e co#e &elo - F 1**0@= '** #efine **">**S_START_S**)**C_SC**?)**DU**>)**R_C **(** D**)** 1**0=1 ' I**inclu#e M **,** em **,** ap9***M** 1**0=**1 ' 1**0=**2 ' "U **!** CE oi#: **">**S_%U**<>**IC_C **(** D**)**F"ls_ **,** ain"unctionE oi#F An# in **,** em **,** ap9***:** &ot* **">**S_START_S**)**C_%U**<>**IC_C **(** D**)** an# **">**S_START_S**)**C_SC**?)**DU**>)**R_C **(** D**)** are #efine# as M9**">**S_%U**<>**IC_C **(** D**)**_RA **,** M9 **)6**pecte# &e*a iour'♂ **,** emory mapping in &ot* #eclaration an# #efinition of function s*all &e uni$ue9 Actual &e*a iour' T*ere is #ifference in t*e memory mapping of #eclaration an# #efinition of function "ls_ **,** ain"unction9	<UG	**(%) !** ISSU**)**

20=23	">S	>engt* calculation for misaligne# access fails	Description' >engt* calculation in "ls_Internal lea#s to in ali# alues9 Actual &e*a iour' Resulting lengt* is aroun# 2 &illion - *ic* causes ot*er function to &e in en#less loop9)6pecte# &e*a iour' Correct lengt* calculation	<UG	(%) ! ISSU)
273@1	">S	"ls_G8ar structure is not initialise# properly accor#ing to C@=7C=1 EIS (7I)C =@=='1==1F	%ro&lem #escription' T*e initiaIXation of "ls_G8ar in "ls_Ram9c is not accor#ing to C=1 stan#ar#9 A structure t*at contains pointers: aria&les an# furt*er structures is simply initiaIXe# - it* M1M9 T*is is possi&le in C== EIS (7I)C =@=='1===: c*apter 0979@921F: &ut , CA> s*all &e implemente# accor#ing to C@=7C=1 EIS (7I)C =@=='1==1F9 In Co#ing Gui#elines)AAR5G>511@29p#f:)AAR_%!11@2_!R_1103 an e6ample is gi en' 7W Usage an# initiaIXation in a C file' W7 , y , o#ule_8ector_tst 8ector1_st L T 1: 1: 1 U0)6pecte# &e*a iour')ac* element in t*e structure s*all &e initialise# properly9 Actual &e*a iour' Structure is initialise# as 8ARE"ls_G8ar%roperties: ">S_I!IT_DATAF "ls_G8ar L T">S_Y)R (U0	<UG	(%) ! ISSU)
27@1=	">S	"ls_Resume cannot interrupt t*e ">S ISRER (<) !DF9EAR_%!1172_"R_1120F	%ro&lem Description' As per current implementation in "ls_ResumeEF A%I: If ">S_D)8_)RR (R_D)T)CT L STD_(! an# ">S_TI ,) (UT_ , (!IT (RI!G L STD_(! t*en after - aiting for ">S_ISR_TI ,) (UT_8A>U): It starts ">S Resume process - it*out c*ecking - *et*er ">S ISR is ser ice# EC*eck - *et*er "ls_G8ar9"ls_ , ute6"lag LL ">S_Y)R (F9 In current implementation: It - ill also not report any D)T if timeout occurre# after - aiting for ">S ISR is ser ice#9 T*is issue e6ist in file "ls9c 819A9O9 As per re$uirement AR_%!1172_"R_1120'5 C"ls_Suspen# cannot interrupt t*e ">S ISRER (<)!DF9 It means - *en ">S ISRER (<)!DF *as alrea#y entere# critical section Eprotecte# &y semap*ore7mute6F t*e upcoming "ls_Suspen# must - ait until ISRER (<)!DF e6its critical section9 until ISRER (<)!DF e6its critical section9D Un#erstan#ing is t*at a&o e mentione# point in , RS is not correct9 As per our un#erstan#ing correct one is as mentione# &elo -9 C"ls_Resume cannot interrupt t*e ">S ISRER (<)!DF9 It means - *en ">S ISRER (<)!DF *as alrea#y entere# critical section Eprotecte# &y semap*ore7mute6F t*e upcoming "ls_Resume must - ait until ISRER (<)!DF e6its critical section9 until ISRER (<)!DF e6its critical section9D)6pecte# <e*a ior' , RS re$uirement AR_%!1172_"R_1120 nee#s to implement properly9 Actual <e*a ior' , RS re$uirement AR_%!1172_"R_1120 is not implemente# properly9	<UG	(%) ! ISSU)

27@2=	">S	"Is_Suspen# cannot interrupt t*e ">S ISRER(<)!DF9EAR_%!1172_"R_1123F	%ro&lem Description' As per current implementation in "Is_Suspen#EF A%l: If ">S_D)8_)RR(R_D)T)CTL STD_(! an# ">S_TI,)(UT_,(!IT(RI!GL STD_(! t*en after -aiting for ">S_ISR_TI,)(UT_8A>U): It starts ">S Suspen# process -it*out c*ecking -*et*er ">S ISR is ser ice# EC*eck -*et*er "Is_G8ar9"Is_,ute6"lag LL ">S_Y)R(F9 In current implementation: It -ill also not report any D)T if timeout occurre# after -aiting for ">S ISR is ser ice#9 T*is issue e6ist in file "Is9c 819A909 As per re$uirement AR_%!1172_"R_1123'5 "Is_Suspen# cannot interrupt t*e ">S ISRER(<)!DF9 It means -*en ">S ISRER(<)!DF *as alrea#y entere# critical section Eprotecte# &y semap*ore7mute6F t*e upcoming "Is_Suspen# must -ait until ISRER(<)!DF e6its critical section9)6pecte# <e*a ior',RS re$uirement AR_%!1172_"R_1123 nee#s to implement properly9 Actual <e*a ior',RS re$uirement AR_%!1172_"R_1123 is not implemente# properly9	<UG	(%)!ISSU)
27@A=	">S	"Is_Cancel cannot interrupt t*e ">S ISRER(<)!DF9EAR_%!1172_"R_1111F	%ro&lem Description' As per current implementation in "Is_CancelEF A%l if ">S_D)8_)RR(R_D)T)CTL STD_(! an# ">S_TI,)(UT_,(!IT(RI!GL STD_(! t*en after -aiting for ">S_ISR_TI,)(UT_8A>U): It starts ">S Cancel process -it*out c*ecking -*et*er ">S ISR is ser ice# EC*eck -*et*er "Is_G8ar9"Is_,ute6"lag LL ">S_Y)R(F9 In current implementation: It -ill also not report any D)T if timeout occurre# after -aiting for ">S ISR is ser ice#9 T*is issue e6ist in file "Is9c 819A909 As per re$uirement AR_%!1172_"R_1111'5 "Is_Cancel cannot interrupt t*e ">S ISRER(<)!DF9 It means -*en ">S ISRER(<)!DF *as alrea#y entere# critical section Eprotecte# &y semap*ore7mute6F t*e upcoming "Is_Cancel must -ait until ISRER(<)!DF e6its critical section9)6pecte# <e*a ior',RS re$uirement AR_%!1172_"R_1111 nee#s to implement properly9 Actual <e*a ior'!A	<UG	(%)!ISSU)
27@07	">S	%re compile s-itc* re$uire# to partition "C> an# "D> in source co#e EAR_%!1172_"R_1127F	%ro&lem #escription' As per AR_%!1172_"R_1127: T*e source co#e of ">S mo#ule must &e partitione# in "C> part an# "D> part &y using pre5compile s-itc*es9 T*e "las* li&rary files: in t*is case "C>7"D> files: s*all &e inclu#e# in &uil# process as per ">S mo#ule configuration for respecti e use5cases9 Re#un#ant li&rary files s*all &e e6clu#e# from &uil# process)6pecte# &e*a ior' T*e re$uirement AR_%!1172_"R_1127 s*all &e implemente# Actual <e*a ior'!A	<UG	(%)!ISSU)
27@=1	">S	"las* li&rary status mapping	%ro&lem #escription' Internal status of un#erlying li&raries: ie9 "C> an# "D> s*all &e mappe# to ">S #ri er status accor#ingly an# s*all lea# to proper %o& processing result of ">S #ri er9 In case of critical internal errors: notification must &e gi en an# user can #eci#e to take necessary reme#y9)6pecte# &e*a ior' ,RS re$uirement AR_%!1172_"R_1122 nee#s to implement9 Actual &e*a ior' ,RS re$uirement AR_%!1172_"R_1122 is not implemente# properly9	<UG	(%)!ISSU)

2@23=	">S	Incomplete linker #irecti e file for ">S sample application	C<D%ro&lem Description'C7<D T*e linker #irecti e file of ">S sample application #oes not contain t*e entries for copying t*e initial aria&le alues from R(, to RA , #uring startup9 T*is is typically #one &y e9g9 CpreD9rom#ata R(, E9#ataFC7preD C<D)6pecte# <e*a iour'C7<D 8aria&les are initialiXe# &y G?S startup as re$uire# &y C stan#ar#9 C<DActual <e*a iour'C7<D 8aria&les are uninitialiXe#: typically at 1 after po- er on: at any un#efine# alue after reset9 Application mig*t s*o- strange &e*a iour9	<UG	(%) ! ISSU)
2@312	">S	!egati e test cases re$uire# to erify t*e &oun#ary c*eck of ">S_C"_(""S)T_8A>U)	In "ls9c:in section Iif E">S_">AS?_ACC)SS LL ">S_C(D)">AS?_ACC)SSF 7W 8irtual a##ress is mappe# to p*ysical a##ress W7 TargetA##ress L TargetA##ress 5 ">S_C"_(""S)T_8A>U)0 T*ere s*all &e a c*eck for TargetA##ress against ">S_C"_(""S)T_8A>U) &efore #oing su&traction9 "urt*er: it re$uires negati e test cases to erify t*e &oun#ary c*eck9	<UG	(%) ! ISSU)
2@313	">S	"ls_GulTimeout to &e remo e# from functions "ls_C"%rocessRea#Comman# an# "ls_C"%rocessCompareComman#	In "ls_Internal9c: "ls_GulTimeout is actually not use# in functions "ls_C"%rocessRea#Comman# an# "ls_C"%rocessCompareComman#9 So it s*oul# &e remo e# from a&o e mentione# t- o su&functions9	<UG	(%) ! ISSU)
2@310	">S	Setting of aria&le ko& notification to True is actually not #epen#ing on #ata flas* status or co#e flas* status	In "ls_Internal9c: in A%l "ls_)n#Ro&%rocessEF: +>&lRo& !otification+ aria&le is set to true irrespecti e of t*e con#ition c*eck Mif ER_"D>_(G LL "ls_Gst8ar9GucD"StatusFM9 Similar is t*e case -it* t*e c*eck Mif ER_"C>_(G LL "ls_Gst8ar9GucC"StatusFM9 So t*e re#un#ant co#e can &e merge# in t*ese cases9	<UG	(%) ! ISSU)
2@317	">S	D) , error report s*oul# &e a##e# #epen#ing on t*e)rase7Brite operations9	In "ls_Ir$9c: Dem_Report)rrorStatusE">S_)_)RAS)_"AI>)D: D) , _)8) ! T_STATUS_"AI>)DF an# Dem_Report)rrorStatusE">S_)_BRIT)_"AI>)D: D) , _)8) ! T_STATUS_"AI>)DF s*oul# &e a##e# #epen#ing on t*e)rase7Brite operations9	<UG	(%) ! ISSU)
2@31@	">S	Tool s*all t*ro- error message -*en +"lsUseInterrupt L(!+ an# t*e call &ack functions are not mappe#	If interrupt is supporte# E"lsUseInterrupt L(!F an# t*e call &ack functions are not mappe# E! U>>F: t*e program -ill *ang9 T*e tool co#e s*all &e up#ate# to t*ro- error message for a&o e mentione# user configuration9	<UG	(%) ! ISSU)
2@321	">S	Default alue of >enReturn8alue s*all &e)_! (T_(G	In "ls9c: Default alue of >enReturn8alue s*all &e)_! (T_(G9 In t*is -ay: ">S ko& re$uest -ill &e rekecte# in t*e first place -*en #ri er state is &usy9 T*is logic is not #epen#ent on D)T settings9	<UG	(%) ! ISSU)
2@321	">S	T*e logic for up#ating "ls_G8ar9"ls_GenState an# "ls_G8ar9"ls_GenRo&Result s*all &e in line -it* t*e logic in "ls_)n#Ro&%rocess	In "ls_Ir$9c: at en# of ko& processing: t*e logic for up#ating "ls_G8ar9"ls_GenState: "ls_G8ar9"ls_GenRo&Result an# triggering Ro&)n# or Ro&)rror notifications s*all &e in line -it* t*e logic in "ls_)n#Ro&%rocess function in "ls_Internal9c9 In t*e current implementation: "ls_)rase an# "ls_Brite support interrupt &ase# ko& processing9 An# "ls_)n#Ro&%rocess is not re$uire# at en# of interrupt &ase# ko& processing9	<UG	(%) ! ISSU)

2@322	">S	Ro&)n# an# Ro&)rror ! otification s*oul# #epen# on &ot* E">S_R(<_! (TI"_C(!"IG LL STD_(!F PP E">S_I!T)RRU%T_,(D) LL STD_(!F	In "Is_Ir$$c: "Is_GpConfig%tr5DpRo&)n#! otification%ointerEF an# "Is_GpConfig%tr5DpRo&)rror ! otification%ointerEF s*oul# &e #epen#ing on &ot* E">S_R(<_! (TI"_C(!"IG LL STD_(!F PP E">S_I!T)RRU%T_,(D) LL STD_(!F9 Actual <e*a iour ' if ER_"D>_(G LL "Is_Gst8ar9GucD"StatusF T 7W Set t*e Ko& Result to (G W7 "Is_G8ar9"Is_GenRo&Result L,),I"_R(<_(G0 7W If Ko& en#e# - it* success an# call t*e Ko& en# call &ack W function9 W7 "Is_GpConfig%tr5DpRo&)n#! otification%ointerEF0 U else T 7W Set t*e Ko& Result to "aile# W7 "Is_G8ar9"Is_GenRo&Result L,),I"_R(<_"AI>)D0 7W If Ko& en#e# - it* error an# call t*e Ko& error call &ack W function9 W7 "Is_GpConfig%tr5DpRo&)rror ! otification%ointerEF0 U)6pecte# <e*a iour ' if ER_"D>_(G LL "Is_Gst8ar9GucD"StatusF	<UG	(%)! ISSU)
2@32A	">S	Impro ement in %D" of %16	T*e follo- ing points s*oul# &e taken care in t*e %arameter Definition "ile of %169 a9 T*e upper &oun#7ma6imum alue of "Is"clRamA##ress s*all &e 2270 1=2=27 E16")D"_"""""F for %169 &9 T*e parameters use# in eac* of t*e follo- ing containers s*oul# &e re5or#ere# to gi e a &etter o er ie - of parameters9 19 "IsData"las* 29 "IsCo#e"las* A9 "Is%u&lis*e#Information c9 %arameter M"IsD"TotalSiXeM in +"IsData"las*+ container s*oul# &e rename# as M"IsData"las*SiXeM9 #9 T*e statement in t*e #escription of follo- ing parameters s*all &e up#ate# as mentione#9 19 "Is,a6Brite ! ormal,o#e ' a## into #escription 5 T*is parameter is not use# for implementation9 29 "Is,a6)rase ! ormal,o#e ' a## into #escription 5 T*is parameter is not use# for implementation9 A9 "IsTotalSiXe ' impro e #escription 5 T*is parameter specifies t*e total amount of flas* memory in &ytes t*at is accessi&le &y ">S #ri er9 29 "Is ! um&er (fSectors ' a## into #escription 5 T*is parameter setting s*all &e in line - it* "IsSectorStarta##ress9 39 "Is"clRamA##ress ' a## into #escription 5 T*is parameter is not use# for implementation9 09 "IsD"TotalSiXe ' impro e #escription 5 T*is parameter in#icates t*e p*ysical total siXe of Data "las* memory9	<UG	(%)! ISSU)
2@323	">S	Safe e6it from - *ile5loop for R_"D>_?an#ler in "Is_Init s*all &e realiXe# as per general re$uirement	In "Is9c: Safe e6it from - *ile5loop for R_"D>_?an#ler in "Is_Init s*all &e realiXe# as per general re$uirement9 Timeout monitoring can &e consi#ere# *ere9	<UG	(%)! ISSU)
2@320	">S	D),error s*oul# &e reporte# for transient failures	">S InitialiXation E"Is_InitF can fail #uring #ri ing cycle of)CU: #ue to eg9 operation oltage c*ange: clock fre$uency c*ange: etc9 Etransient failuresF9 Suc* kin# of fault must &e notifie# an# after - ar#s t*e upper layer can: for e6ample: retry - it* init proce#ure until succee#s: or t*e system can &e s - itc*e# to a safety state if re$uire#9 D),error s*oul# &e reporte# *ere9	<UG	(%)! ISSU)
2@327	">S	R_"D>_?an#lerEF call in "Is_,ain"unction an# "Is_Init s*oul# &e protecte# - it* critical section	In "Is9c: R_"D>_?an#lerEF call in "Is_,ain"unction an# "Is_Init s*oul# &e protecte# - it* critical section9	<UG	(%)! ISSU)

2@3@7	">S	Une6pecte# Interrupt pen#ing &it is set in "ls_Brite an# "ls_)rase A%ls	%ro&lem #escription' In "ls_Brite an# "ls_)rase A%ls: interrupt processing is ena&le# as follo-s' Iif E">S_I!T)RRU%T_, (D) LL STD_(!F 7W)na&le interrupt processing W7 R?@31_S8_, (D)_I, R_A!DE10: E"ls_GpConfig%tr5Dp"I)n#ImrA##ressF: E"ls_GpConfig%tr5Dus"I)n#Imr, askFF0 Ien#if At t*at point SB nearly al-ays *a# t*e interrupt pen#ing &it set: so a first un-ante# interrupt occurs $uite fast t*ere9 %en#ing interrupts are not properly *an#le# in t*e co#e so t*at t*is -ill cause some confusion &ecause of a pen#ing interrupt from t*e pre ious operation9 T*ere is a c*ance of setting interrupt pen#ing &it from t*e pre ious Rea# operation: -*ic* *a e in&uilt &lank c*eck9)6pecte# &e*a iour' <efore ena&ling interrupts: interrupt pen#ing &it s*all &e cleare#9 Actual &e*a iour' Interrupt pen#ing &it is set -*en interrupt processing is ena&le# in "ls_Brite an# "ls_)rase A%ls	")ATUR)	(%)! ISSU)
2@317	"lsTst	As per Autosar re$uirement: "lsTst9* s*oul# inclu#e St#_Types9* #irectly9	Accor#ing to Autosar re$uirement specification: t*e inclu#e of St#_Types9* s*oul# &e #one in "lsTst9* <ut in "lsTst: St#_Types9* is inclu#e# t*roug* "lsTst_%<Types9* an# "lsTst_Types9* in t*e current implementation9 T*e files can &e foun# in t*e follo-ing s n pat* 5 7trunk7e6ternal7;1;7common_platform7mo#ules7flstst7inclu#e)6pecte# &e*a iour ' "lsTst9* s*oul# inclu#e St#_Types9* #irectly9 Actual &e*a iour ' St#_Types9* is inclu#e# t*roug* "lsTst_%<Types9* an# "lsTst_Types9*	<UG	(%)! ISSU)
2@311	"lsTst	"lsTst_Gen>ast"gn#Result an# "lsTst_Gen(erall<gn#Result s*all &e #eclare# as ">STST_I!IT_DATA	"lsTst_Gen>ast"gn#Result an# "lsTst_Gen(erall<gn#Result s*all &e #eclare# as ">STST_I!IT_DATA: so as to matc* -it* memory section ">STST_START_S)C_8AR_U!S%)CI"I)D9 <ut in t*e current implementation "lsTst_Gen>ast"gn#Result an# "lsTst_Gen(erall<gn#Result are #eclare# as ">STST_!(!IT_DATA9 T*is can &e foun# in t*e pat* 5 JtrunkJe6ternalJ;1;Jcommon_platformJmo#ulesJflststJsrcJ"lsTst_Ram9c)6pecte# <e*a iour ' 7W 8aria&le to store t*e fgn# test result W7 8ARE"lsTst_TestResult"gn#Type: ">STST_I!IT_DATAF"lsTst_Gen>ast"gn#Result L ">STST_!(T_T)ST)D0 7W TRAC) /R2: "lsTst1324 W7 7W 8aria&le to store t*e o erall <gn# test result W7 8ARE"lsTst_TestResultType: ">STST_I!IT_DATAF"lsTst_Gen(erall<gn#Result L ">STST_R)SU>T_!(T_T)ST)D0 Actual <e*a iour ' 7W 8aria&le to store t*e fgn# test result W7 8ARE"lsTst_TestResult"gn#Type: ">STST_!(I!IT_DATAF"lsTst_Gen>ast"gn#Result L ">STST_!(T_T)ST)D0 7W TRAC) /R2: "lsTst1324 W7 7W 8aria&le to store t*e o erall <gn# test result W7 8ARE"lsTst_TestResultType: ">STST_!(I!IT_DATAF"lsTst_Gen(erall<gn#Result L ">STST_R)SU>T_!(T_T)ST)D0	<UG	(%)! ISSU)

2732@	"r	/%164/"r4 B*ile #oing NAC Static Analysis: Some of t*e , isra iolations are not ⁄ustifie#9	%ro&lem Description' B*ile running NAC Static Analysis for t*e "r_3=9c file an# "r_3=_Internal9c: NAC , isra rules iolations are occuring9Some of t*e iolations are ⁄ustifie# an# some iolations are not ⁄ustifie#9E"or e6ample' T*e messages suc* as 2'1@2A: 2'1@0A: 2'2=@3 etc9 are not ⁄ustifie#9F9 Common co#e c*ange is not in t*e scope of 829119124 %16 release9)6pecte# <e*a iour' !A Actual <e*a iour' !A	<UG	(%) ! ISSU)
27727	"r	/%164/829119124/"R4 T*e test cases relate# to Dem_Report)rrorStatusE"rDemCtrlTestResultRef: D) , _)8) ! T_STATUS_"AI>)DF 5 "R_)TC_10	%ro&lem Description' T*e test cases relate# to Dem_Report)rrorStatusE"rDemCtrlTestResultRef: D) , _)8) ! T_STATUS_"AI>)DF 5 "R_)TC_103: Dem_Report)rrorStatus E"rIfDem"TSlotStatusRef: D) , _)8) ! T_STATUS_"AI>)DF 5 "R_)TC_100 an# "R_)TC_107 are failing9 "R_)TC_103' In t*e)STS: in t*e Teste# functionality: Dem_Report)rrorStatusE"R_)_ACC)SS: D) , _)8) ! T_STATUS_"AI>)DF is teste#9<ut in t*e e6pecte# test result: Dem_Report)rrorStatusE"rDemCtrlTestResultRef: D) , _)8) ! T_STATUS_"AI>)DF is c*ecke# for t*e A%ls "r_Recei eR6>%#u: "r_C*eckT6>%#uStatus: "r_TransmitT6>%#u: "r_CancelT6>%#u9 T*e test cases "R_)TC_103 is not teste# &ecause t*e Dem_Report)rrorStatus E"rDemCtrlTestResultRef: D) , _)8) ! T_STATUS_"AI>)DF is not implemente# in t*e follo - ing A%ls "r_Recei eR6>%#u: "r_C*eckT6>%#uStatus: "r_TransmitT6>%#u: "r_CancelT6>%#u9 "R_)TC_100 an# "R_)TC_107' In t*e)STS: in t*e Teste# functionality: Dem_Report)rrorStatusE"R_)_ACC)SS: D) , _)8) ! T_STATUS_"AI>)DF is teste#9<ut in t*e e6pecte# test result:Dem_Report)rrorStatus E"rIfDem"TSlotStatusRef: D) , _)8) ! T_STATUS_"AI>)DF is c*ecke# for t*e A%ls "r_TransmitT6>%#u: "r_Recei eR6>%#u9 T*e test cases "R_)TC_100 an# "R_)TC_107 are not teste# &ecause t*e Dem_Report)rrorStatus E"rIfDem"TSlotStatusRef: D) , _)8) ! T_STATUS_"AI>)DF is not implemente# in t*e follo - ing A%ls "r_TransmitT6>%#u: "r_Recei eR6>%#u9)6pecte# <e*a iour' "R_)TC_103' As per t*e Autosar R291A "le6Ray SBS re$uirement: if any *ar# - are error occurs - *ile running t*e A%ls "r_Recei eR6>%#u/"R2A24: "r_C*eckT6>%#uStatus/"R22A4 : "r_TransmitT6>%#u/"R22A4: "r_CancelT6>%#u/"R01A4: t*en it s*oul# call Dem_Report)rrorStatus E"rDemCtrlTestResultRef: D) , _)8) ! T_STATUS_"AI>)DF an# return)_! (T_(G9 "R_)TC_100 an# "R_)TC_107' As per t*e Autosar R291A "le6Ray SBS re$uirement: In t*e A%l "r_Recei eR6>%#u: /"R0134If t*e optional configuration parameter "rIfDem"TSlotStatusRef e6ists an# a single slot status error &it E SSbSynta6)rror: SSbContent)rror: SSb< iolationF is set: t*en t*e slot status information s*all &e reporte# to D) , as Dem_Report)rrorStatus E"rIfDem"TSlotStatusRef: D) , _)8) ! T_STATUS_"AI>)DF9	<UG	(%) ! ISSU)
2772@	"r	/%164/829119124/"R4 t*e functional testcases relate# to Transmit Nueue an# Recei e Nueue functionality are failing9	%ro&lem Description' In)STS t*e functional testcases relate# to Transmit Nueue an# Recei e Nueue functionality E"R_)TC_1=@: "R_)TC_1==: "R_)TC_111: "R_)TC_111: "R_)TC_112: "R_)TC_11AF are failing9)6pecte# <e*a iour' After transmitting t*e Data &y in oking "r_TransmitNueue_Ta&leEF it is returning)_(G as per t*e)6pecte# Test result an# - *en "r_Recei eNueue_Ta&leEF is in oke#: it s*oul#)_(G an# also t*e transmitte# #ata s*oul# &e recei e# &y t*e controller9 Actual <e*a iour' After transmitting t*e Data &y in oking "r_TransmitNueue_Ta&leEF it is returning)_(G as per t*e)6pecte# Test result an# - *en "r_Recei eNueue_Ta&leEF is in oke#: it is returning)_(G as per t*e e6pecte# Test Result &ut t*e #ata is not recei e#9	<UG	(%) ! ISSU)
2@127	"r	/%164/"r4/R2914 "r_User_Re$uest_(utput_Transfer an# "r_User_Re$uest_Input_Transfer A%l*s are not - orking9	%ro&lem Description' "r_User_Re$uest_(utput_Transfer an# "r_User_Re$uest_Input_Transfer A%l*s are returning)_(G &ut no transmit7recei e functionality is *appening9)6pecte# <e*a iour' Transmit7recei e functionality s*oul# *appen in t*is "r_User_Re$uest_(utput_Transfer an# "r_User_Re$uest_Input_Transfer A%l*s 9 Actual <e*a iour' Transmit7recei e functionality is not *appen in t*is "r_User_Re$uest_(utput_Transfer an# "r_User_Re$uest_Input_Transfer A%l*s 9	<UG	(%) ! ISSU)

2@A20	"r	/%164/"R4Some)co#e lines are more t*an @1 c*aracters an# trailing spaces are present9	%ro&lem Description' 19 , ore t*an @1 c*aracters in follo - ing lines ' "r_3=_Internal9c ' S>1AA2 : >1A32: 1213:1222:131=:13=1:1021:10A2:1772:1=13:2111 "r_3=9c ' S>1=1=:2301 "r_3=_De&ug9* ' S>@A "r_3=_GeneralTypes9*' S>277:2@0 "r_3=_Internal9* ' S>71: S>=7 "r_3=_8ersion9*' S>@0 "r_3=9* ' S>2A0: >71 29 Trim trailing space not #one in follo - ing files' "r_3=9*: "r_3=_Ram9*: "r_3=_%<Types9*: "r_3=_Internal9*: "r_3=9c: "r_3=_Ram9c: "r_3=_Internal9c Actual <e*a ior' !A)6pecte# <e*a ior' !A	<UG	(%)! ISSU)
2@272	"r	/%164/"r4/R2914 !ull pointer c*ecking is not performing9	%ro&lem Description' !ull pointer c*ecking is not performing in t*e follo - ing A%I·s 19"r_3=_Recei eR6>%#u line' A13A EW"r_>%#uStatus%tr L "R_3=_!(T_R)C)I8)D0F line' A13@ EW"r_>S#u>engt*%tr L "R_3=_Y)R(0F 29"r_3=_C*eckT6>%#uStatus line' @2@3 EW"r_T6>%#uStatus%tr L "R_3=_!(T_TRA!S, ITT)D0F Actual &e*a iour' B*en #ereference a !U>> pointer t*ere&y raising a !ull%ointer)6ception9 It - ill cause t*e controller to reset9)6pecte# &e*a iour' !ull pointer c*ecking s*oul# &e performe# in t*e A%I "r_3=_Recei eR6>%#u: "r_3=_C*eckT6>%#uStatus	<UG	(%)! ISSU)

2@A=7	G%T	Bake up #isa&le# c*annels are gi ing D)T after G%T_ , (D)_S>))% to G%T_ , (D)_! (R , A> mo#e transition9	Description 5555555555 B*ile Running AT" test case MG%T_"TC_122M its o&ser e# t*at une6pecte# D)T -it* Apil# L 1;2 LD Ser ice l# of Gpt_DeInit A%l9)rrorl# L 1;< LD D)T co#e to report Timer is alrea#y running9 is occurring -*en calling Gpt_DeInitEF: *ere all c*annels are e6pecte# &e in Mstoppe#M state9 Be teste# as mentione# &elo -: in AT" configuration MAT"_cfg11M9 Test Scenario 5555555555555 19 Call Gpt_InitEPG%T_C(!"IG_11F to initialiXe t*e #ri er -it* /G%T_C(!"IG_1149 29 Call Gpt_)na&le!otificationEF for c*annel 19 A9 Call Gpt_)na&le!otificationEF for c*annel 19 29 Call Gpt_)na&le!otificationEF for c*annel A9 39 Call Gpt_)na&leBakeupEF for c*annel 19 09 Call Gpt_Disa&leBakeupEF for c*annel 19 39 Call Gpt_Disa&leBakeupEF for c*annel A9 09 Call Gpt_StartTimerEF for c*annel 19 79 Call Gpt_StartTimerEF for c*annel 19 @9 Call Gpt_StartTimerEF for c*annel A9	<UG	(%)! ISSU)
2@213	G%T	Timer is starting automatically -*en call Gpt_)na&leBakeupEF in G%T_ , (D)_S>))% mo#e9	B*ile testing AT" test case MApp_Gpt_SampleM its o&ser e# t*at notification is occurring -*en call Gpt_)na&leBakeupEF in G%T_ , (D)_S>))% mo#e &efore starting t*e timer9 Be teste# as mentione# &elo -: in AT" configuration MAT"_cfg13M9 19 Call Gpt_InitEPG%T_C(!"IG_11F to initialiXe t*e #ri er -it* /G%T_C(!"IG_1149 29 Call Gpt_)na&le!otificationEF for c*annel 19 A9 Start timer for c*annel 19 29 Bait for 2111 EmsF9 39 call Gpt_GetTime)lapse#EF for c*annel 19 09 C*eck -*et*er Time)lapse# D1: an# it+s o&taine# as e6pecte#9 79 Bait for 111 EmsF9 @9 call Gpt_GetTimeRemainingEF for c*annel 19 =9 C*eck -*et*er Time Remaining D1: an# it+s o&taine# as e6pecte#9 119 Bait for 3 Secon#s9 119 C*eck -*et*er notification o&taine# is D1: an# it+s o&taine# as e6pecte#9 129 call Gpt_Disa&leBakeupEF for c*annel 19 1A9 Set G%T mo#e to +G%T_ , (D)_S>))%+ &y calling MGpt_Set , o#eEG%T_ , (D)_S>))%FM9 129 Bait for 1 Secon#s9 139 Clear T*e !otification Count9 109 Bait for 2 Secon#s9 179 C*eck -*et*er notification o&taine# is L1: an# it+s o&taine# as e6pecte#9 1@9 Set G%T mo#e to +G%T_ , (D)_! (R , A>+ &y calling MGpt_Set , o#eEG%T_ , (D)_! (R , A>FM9 1=9 Bait for 2 Secon#s9 219 C*eck -*et*er notification o&taine# is L1: an# it+s o&taine# as e6pecte#9 219 Set G%T mo#e to +G%T_ , (D)_S>))%+ &y calling MGpt_Set , o#eEG%T_ , (D)_S>))%FM9 229 call Gpt_)na&leBakeupEF for c*annel 19 2A9 Set G%T mo#e to +G%T_ , (D)_! (R , A>+ &y calling MGpt_Set , o#eEG%T_ , (D)_! (R , A>FM9	<UG	(%)! ISSU)

23@30	ICU	(&solete co#e in Icu_?B_InitEF function9	%ro&lem #escription' At line 732 in Icu_>>Dri er9c t*e follo-ing loop is present' for E>ucCnt L ICU_,A;_TI,)R_C?A!!)>S_C(!"IGUR)D0>ucCnt C ICU_,A;_C?A!!)>0 >ucCnt^^F T T*is MforM loop is use# for e6ternal interrupts only an# not for timer c*annels initiali%ation9 Insi#e t*e loop you *a e c*ecks for timer c*annels: -*ic* -ill al-ays fail: since t*e loop is only for c*annels configure# -it* e6ternal interrupts9 It seems t*at e eryt*ing a&o e t*e Ms-itc*M at line @2A in t*is loop is o&solete co#e9)6pecte# &e*a ior' !7A Actual &e*a ior' !7A	<UG	(%)! ISSU)
27022	ICU	InterruptsEI,RF are ena&le# All C*annel After calling Icu_Set,o#eEF Api form ICU_,(D)_S>))% to ICU_,(D)_!(R,A>9	%ro&lem Description' As per Autosar2919A ICU re$uirement says t*at ICU1=2 ICU_,(D)_!(R,A>'!ormal operation: all use# interrupts are ena&le# accor#ing to t*e notification re$uests9 ICU_,(D)_S>))%' Re#uce#po-er mo#e9 In sleep mo#e only t*ose notifications are a aila&le -*ic* are configure# as -akeup capa&le9 Current implementation is In Icu_Set,o#eEICU_,(D)_!(R,A>F Api calle# after Icu_Set,o#eEICU_,(D)_S>))%F Api9 All interrupts are ena&le# -it* out consi#ering Current notification status9 8er2911910 55 release Icu_>>Dri er9c 1703' 7W)na&le Interrupt W7 1700' R?@31_S8_,(D)_I,R_A!DE10:E>pImrIntpCntrlRegF: E>pC*annelConfig5DusImr,ask8alueFF0)6pecte# <e*a iour' All use# interrupts are ena&le# accor#ing to t*e notification re$uests Actual <e*a iour' All interrupts are ena&le# -it* out consi#ering notification status9	<UG	(%)! ISSU)
2@3@3	ICU	Component User,anual 5 Unimplemente# A%ls an# !ot supporte# features	%ro&lem Description' 19 T*e functionalities -*ic* are not supporte# &y t*e *ar#-are are present in t*e component user manual9Icu_C*eckBakeup: Icu_Disa&leBakeup an# Icu_)na&leBakeup s*oul# &e remo e# from user manual9 29 If a feature is not supporte# please mention M!ot supporte#M in Ta&le 351)6pecte# <e*a iour' !A Actual <e*a iour' Bakeup functionalitiesEIcu_C*eckBakeup: Icu_Disa&leBakeup an# Icu_)na&leBakeupF -*ic* are not implemente# are mentione# in t*e user manual: -*ic* mislea#s t*e user9	<UG	(%)! ISSU)

27**2=1**	**,** CU	**,** cuResetReason coul# not **&**e accesse# **<**y **)**cu **,** ResetReason from **,** cu%u**&**lis*****e#Information**17 ,** cuResetReasonConf**1** container	%ro**&**lem Description**'** T*****is ticket is create# to track t*****e pre5release re ie **-** #one on %1**6 ,** CU **-** ork pro#ucts as part of **82**9**11**9**12** release9 Re**$**uirement**'** AR_%**!11A2_"**R_**11**17 **"**in#ing**'** As per t*****e re**$**uirement Get**8**ersionInfoEF A%l of eac***** mo#ule s*****all also return _instanceID` as one of t*****e parameter in St#_**8**ersionInfoType pointe# **&**y t*****e output parameter ersioninfo9 In t*****e current implementation only mo#ulei#**:** an# en#ori# are returne#9 Instance i# is not returne# **)6**pecte# **<**e*****a ior**'** Get**8**ersionInfoEF A%l of eac***** mo#ule s*****all return mo#ulei#**:** en#ori# an# instanceID Actual **<**e*****a ior**'** Get**8**ersionInfoEF A%l of eac***** mo#ule s*****all return mo#ulei# an# en#ori#	**<**UG	**(%) !** ISSU**)**
2@17**1**	**,** CU	Dummy rea# to register must **&**e performe# after **-** riting to register9	%ro**&**lem Description**'** T*****is ticket is create# to track t*****e pre5release re ie **-** #one on %1**6 ,** CU **-** ork pro#ucts as part of **82**9**11**9**12** release9 Re**$**uirement**'** AR_%**!11A2_"**R_**110**@ **"**in#ing**'** Sync*****roniXing perip*****erals register **-** rite operation **&**y #ummy rea#9 As per t*****is re**$**uirement**:** Dummy rea# to register must **&**e performe# after **-** riting to register9 T*****e re**$**uirement is not taken care in **,** cu source co#e9 **)6**pecte# **<**e*****a ior**'** **!** A Actual **<**e*****a ior**'** **!** A	**<**UG	**(%) !** ISSU**)**

2@212	, CU	A%Is , cu_GetResetReasonEF an# , cu_GetResetRa - 8alueEF s*all return t*e same result in case t*ey are calle# multiple times	%ro&lem Description' T*is ticket is create# to track t*e pre5release re ie - #one on %16 , CU - ork pro#ucts as part of 829119912 release9 Re$uirement')AAR_%!117=_"R_11@0 T*e A%Is , cu_GetResetReasonEF an# , cu_GetResetRa - 8alueEF s*all return t*e same result in case t*ey are calle# multiple times after a reset or a po - er on e ent9 "in#ing' A## test case to test t*e re$uirement9)6pecte# &e*a iour' !A Actual &e*a iour' !A	<UG	(%)! ISSU)
2@A@2	, CU	, cuResetReason a##e# in , cu sc*ema cannot &e reference# &y)cu ,	In , cu Sc*ema se eral reset reason - as a##e# in , cu%u&lis*e#Information container9 Accor#ing - it*)CU , 12@_Conf , cu Reset Reason s*oul# &e in , cuResetReasonConf container so t*is can &e reference# &y)cu , mo#ule 9	<UG	(%)! ISSU)
2@221	, CU	In #efinition file , an#atory parameter s >o - er an# Upper multiplicity alues are not taken care properly	%ro&lem Description' In #efinition 9ar6ml file , an#atory parameter s >o - er an# Upper multiplicity alue s*oul# &e one9 parameters are , cu>oopCount an# , cu%&usBaitCount9 e6ample' In , cu_%<Types9* , CU_%<USBAITC(U!T is #efine - it* , CU_%<USBAITC(U!T_8A>U) an# is use# in , cu9c file If , cu%&usBaitCount alue is not set: In , cu_Cfg9* for , CU_%<USBAITC(U!T_8A>U) - ill not &e generate# any alue' In %<cfg9* file 7W %&us Count 8alue for t*e , CU_%<USBAITC(U!T W7 !#efine , CU_%<USBAITC(U!T_8A>U))6pecte# <e*a ior' Cb55 %ARA ,)T)R D)"I!ITI(!' , cu%&usBaitCount 55D C)CUC5I!T)G)R5%ARA , 5D)" UUIDLM)CUS'#&eaf&a15&faf52ca15@37252A3fAc=&=&A3MD CS?(RT5!A ,)D , cu%&usBaitCountC7S?(RT5!A ,)D CD)SCD C>52 >LM)!MDT*e parameter represents t*e %<us access - ait time9T*e loop can &e minimum 1 to ma6imum 033A3C7>52D C7D)SCD C>(B)R5 , U>TI%>ICITHD1C7>(B)R5 , U>TI%>ICITHD CU%%)R5 , U>TI%>ICITHD1C7U%%)R5 , U>TI%>ICITHD Actual <e*a ior' Cb55 %ARA ,)T)R D)"I!ITI(!' , cu%&usBaitCount 55D C)CUC5I!T)G)R5%ARA , 5D)" UUIDLM)CUS'#&eaf&a15&faf52ca15@37252A3fAc=&=&A3MD CS?(RT5!A ,)D , cu%&usBaitCountC7S?(RT5!A ,)D CD)SCD	<UG	(%)! ISSU)
2@222	, CU	Reset reson *an#ling #epen#ing on %("9%(" &it	B*at is t*e #ifference &et - een M , cuResetReasonConf%o - er (nResetM an# M , cuResetReasonConf%o - er (n"lagResetM \ T*e implementation seems to &e - rong as %("9%(" &it seems to &e set in &ot* cases mentione#: - *ic* means only , cuResetReasonConf%o - er (n"lagReset is reporte# an# , cuResetReasonConf%o - er (n"lagReset is ne er reporte#9	<UG	(%)! ISSU)

2@27A	, CU	App_ , CU_De ice_Sample9* B*ic* is not as per AR_%!11A2_"R_11A=9	%ro&lem Description' App_ , CU_De ice_Sample9* B*ic* is not as per AR_%!11A2_"R_11A=9)6pecte# <e*a ior' !A Actual <e*a ior' !A	<UG	(%)! ISSU)
231A2	%ort	B*en c*anging port pin to a DI(mo#e: *an#ling of %SRnE%nF is #ifferent &y A%l9	%ro&lem Description' T*e port pin can &e c*ange# to a DI(mo#e at A%l %ort_Set%in , o#e: %ort_SetToDio , o#e an# %ort_Set%inDefault , o#e9Among t*ese t*e %ort_SetToDio , o#e #oesn+t set to %SR register9ls t*is -*at De elopment Team inten#e#\ DI(output le el c*ange s*oul# &e performe# in DI(Dri er an# t*e user can also #eci#e at t*e timing of c*ange in t*e DI(output le el9l+m t*inking t*is specification is simplest an# is -it*out mistakes9 Coul# you tell me -*y it+s suc* specification\ )6pecte# <e*a ior ' It is necessary to unify t*ese specifications Actual <e*a ior ' t*e %ort_SetToDio , o#e #oesn+t set to %SR register9	<UG	(%)! ISSU)
202@7	%ort	B*en %ort_Set%inDirectionEF c*ange #irection from o7p to o7p Erefes*ingF for RTAG pins: t*e o7p le el -ill set to #efault state9	%ort%inDirectionC*angea&le L True %ort%in , o#eC*angea&le L True %ort%in>e el8alue L %(RT_%l!_>)8)>_>(B %ort%inInitial , o#e L DI(_SU%%_%"C_% , CSR %ort%inDirection L C&D%(RT_%l!_(UTC7&D Test case' %ort_InitE%ortConfigSet1F0 -*ileE1F T 7W T*is A%l -ill initiliXe all t*e registers to t*e initial alues W7 %ort_InitE%ortConfigSet1F0 7W Set %ort %in le el of for R%1_0 to ?ig*9 W7 R%SR1 L 16"""""11210 7W Refres* t*e pin9 W7 %ort_Set%inDirection E%ort_%ortGroupRtag11_%ort%in01: C&D%(RT_%l!_(UTC7&DF0 U)6pecte# result' R%1_0 remains ?ig*9 Actual result' R%1_0 sets to >o -9	<UG	(%)! ISSU)

20@32	%ort	>ocal aria&les may remain not initialiXe# in %ort_SetToDio(rAlt,o#e A%l9	%ro&lem #escription' If -e *a e a configuration -it* t*e follo-ing generate# co#e 7W A aila&ility of numeric port groups W7 I#efine %(RT_!U,_%(RT_GR(U%S_A8Al>A<>) STD_("" 7W A aila&ility of alp*a&etic port groups W7 I#efine %(RT_A>%?A_%(RT_GR(U%S_A8Al>A<>) STD_("" 7W A aila&ility of ktag port groups W7 I#efine %(RT_RTAG_%(RT_GR(U%S_A8Al>A<>) STD_("" t*en in %ort_SetToDio(rAlt,o#eEF A%l t*e local aria&les >p"uncCtrlReg an# >ul<aseA##ress -ill &e use# -it*out &eing initialiXe#9)6pecte# result' !7A Actual result' !7A	<UG	(%)! ISSU)
271A=	%ort	%ort Group 2 %in 0 ,U; appears to &e mis5 la&ele# in t*e %arameter #efitnition file9	%ro&lem #escription' %ort Group 2 %in 0 ,U; appears to &e mis5la&ele# in t*e %arameter #efinition file9 It is la&ele# as TAUD212_A>T0_(UT: -*ile accor#ing to t*e ?B user manual M2929197 %ort 2 E%2FM it is relate# to TAUD2(A9)6pecte# &e*a ior' %ort Group 2 %in 0 ,U; must &e la&ele# as TAUD2(A_A>T0_(UT9 Actual &e*a ior' %ort Group 2 %in 0 ,U; is la&ele# as TAUD2(2_A>T0_(UT9	<UG	(%)! ISSU)
2717=	%ort	%ort Generator t*ro-ing un-ante# error	%ro&lem #escription' If %ortIpControl is ena&le# for e9g9 CSI pins as recommen#e# in #escription of %ortIpControl: t*en error 12211@ is raise#9 %in names in #escription of %ortIpControl #o not matc* to a aila&le options in %ort%inInitial,o#e9 T*is issue is ali# for 711111 #e ice: &ut not for 711A39)6pecte# &e*a iour' !o error s*oul# occur9 Actual &e*a iour')RR12211@)rror occurs t*at is in contra#iction to #escription9	<UG	(%)! ISSU)
2707 0	%ort	"ail to initialiXe t*e %"CA) registers correctly	%ro&lem Description' T*e register initialiXation se$uence in %ort_InitConfigEF api is not as mentione# in r11u*12A0e(1171_r*@31p169p#fE 1971F at page 122 Section 29A929097)6pecte# <e*a ior ' %"CA) register along -it* %"C an# %"C) s*oul# &e initialiXe# after initialiXing %l!8 register9 Actual <e*a ior ' T*e function control registersE%"C:%"C):%"CA)F are initialiXe# &efore %l!8 register initialiXation	<UG	(%)! ISSU)

2@A=1	%ort	%l ! 8n register is not setting properly in A%l %ort_Set%inDirectionEF	%ro&lem #escription' 8alue up#ating to %l ! 8n c %ort (utput >e el In ersion Register - rite protection is not implemente# as in #e ice User , anual9)6pecte# &e*a ior' ! ee#s to follo - t*e - rite protection se$uence mentione# in #e ice User , anual9 Actual &e*a ior' Register - rite protection is not implemente# properly9	<UG	(%) ! ISSU)
2@227	%ort	% , SR register access is not correct	%ro&lem #escription' % , SR register is accessing - it*out c*ecking - *et*er % , SR register is present for t*at particular %ort group9)6pecte# &e*a ior' <efore accessing % , SR register c*eck - *et*er % , SR register is e6ist is re$uire#9 7WC*eck for % , SR register a aila&ility W7 if E% (RT_R)G_! (TA8AI>A<>) bL >pSet%in , o#eGroupStruct5Duc% , SRRegIn#e6F T 999 U Actual &e*a ior' T*is c*eck is not present result in illegal memory access9	<UG	(%) ! ISSU)
2@3A=	%ort	%re compiler , acro is surroun#e# co#e at - rong place in %ort_"ilterConfigEF	%ro&lem #escription' %re compiler , acro M% (RT_D ! "A_R)G_C (! "IGM is surroun#e# co#e at - rong place in %ort_"ilterConfigEF9 I if EE% (RT_D ! "A_R)G_C (! "IG LL STD_ (! F VV E% (RT_"C>A_R)G_C (! "IG LL STD_ (! FF I #efine % (RT_START_S)C_%RI8AT)_C (D) I inclu#e M , em , ap9*M STATIC "U ! CE oi#: % (RT_%RI8AT)_C (D)F %ort_"ilterConfigE oi#F T 7W %ointer to #igital filter D ! "A register #ata structure W7 I if E% (RT_D ! "A_R)G_C (! "IG LL STD_ (! F %2C (! STE olatile %ort_D ! "ARegs: AUT (, ATIC: % (RT_C (! "IG_DATAF >pD ! "AReg0 7W %ointer to)#ge control)DC register #ata structure W7 I if E% (RT_)DG)_D)T)CT_C (! TR (> LL STD_ (! F %2C (! STE olatile %ort_)DCRegs: AUT (, ATIC: % (RT_C (! "IG_DATAF >p)DCReg0 I en#if 7W)n# of % (RT_)DG)_D)T)CT_C (! TR (> LL STD_ (! W7 55555co#e55555 I en#if 7W)n# of % (RT_D ! "A_R)G_C (! "IG LL STD_ (! W7 55555co#e5555 %ort_"ilterConfigEF A%l is ena&le# &y % (RT_D ! "A_R)G_C (! "IG is STD_ (! or % (RT_"C>A_R)G_C (! "IG is STD_ (! : In si#e aria&le #eclaration is #one for % (RT_D ! "A_R)G_C (! "IG is STD_ (! : B*en % (RT_D ! "A_R)G_C (! "IG is STD_ ("" an# % (RT_"C>A_R)G_C (! "IG is STD_ (! it - ill corrupte#9)6pecte# &e*a ior'	<UG	(%) ! ISSU)

23722	%B ,	Det %B , _)_%ARA , _C?A ! !)> is not reporting for % - m_SetTriggerDelayEF9	%ro&lem #escription' "or t*e current %B , #ri er implementation - e face t*e pro&lem t*at it is not reporting Det %B , _)_%ARA , _C?A ! !)> for % - m_SetTriggerDelayEF - *en configure# for %B , TAU c*annel9)6pecte# &e*a ior' Det %B , _)_%ARA , _C?A ! !)> s*oul# report for % - m_SetTriggerDelayEF - *en configure# for %B , TAU c*annel9 Actual &e*a ior' D)T is not occuring9	<UG	(%) ! ISSU)
20@72	%B ,	% - m_SelectC*annelClk is starting t*e %B , #iag c*annels configure# for sync start	%ro&lem Description' If you configure 2 c*annels 1 on TAU an# one %B , #iag in sync start mo#e9 If after % - m_Sync*ronousInitEF A%I: % - m_SelectC*annelClkEF is calle#: t*e p - m #iag c*annel - ill start e en &efore calling % - m_Sync*ronousStartEF9)6pecte# &e*a ior' C*annels marke# as sync*ronous s*all start only after % - m_Sync*ronousStartEF A%I is calle#9 Current &e*a ior' C*eck t*e pro&lem #escription	<UG	(%) ! ISSU)
2@2=2	%B ,	/%164/%B , 4 %B , notification is not *an#le# properly	%ro&lem Description' 19 %B , notification null pointer c*ecking is not performing on % - m_?B_Call&ack ISR 29 ! otification - ill sen# for - rong %B , c*annels7c*annels - *ic* are not configure#9 Actual &e*a iour' Bit* in % - m_?B_Call&ack ISR: c*annel i# is incrementing - it* in a for loop9 ! otification c*ecking an# sen#ing is #oing outsi#e t*is for loop9 After t*e e6ecution of t*at for loop c*annel i# - ill &e: e6act c*annel i# ^ 1 ^ num&er of sla e c*annels9 So t*e notification - ill sen# for - rong c*annels or try to sen# notification for t*e c*annels - *ic* are not configure#9)6ample' - e *a e configure# 7 c*annels out of - *ic* A are sla e c*annels9 an# t*e interrupt is coming for 2t* master c*annel9 So at t*e en# of t*e ‹for› loop: c*annel i# - ill &e @9 T*is - ill cause out of array access an# if t*e alue of t*at memory location is one: it - ill try to sen# notification: - *ic* is not configure#9 T*is - ill cause t*e controller to reset9)6pecte# &e*a iour' 19%B , notification null pointer c*ecking s*oul# &e performe# in % - m_?B_Call&ack ISR 29%B , notification c*ecking s*oul# &e - it* proper c*annel i#9	<UG	(%) ! ISSU)
2300A	RamTst	/%164/RA , TST4/R2914 T*e test result is not RA , TST_R)SU>T_U ! D)"I !)D: if a , arc* Test on t*is &lock is running9	RamTst_GetTestResult%er<lockEF #oes not return RA , TST_R)SU>T_U ! D)"I !)D: - *en , arc* test on t*e specific &lock is running9	<UG	(%) ! ISSU)
23002	RamTst	/%164/RA , TST4/R2914 RamTst_"ill%attern not getting up#ate# in t*e RA , location - *en RamTstTest%olicy is RA , T)ST_D)STRUCTI8)9	B*en t*e configuration parameter RamTstTest%olicy for a &lock is set to RA , T)ST_D)STRUCTI8): t*e test algorit*m #oes not fill t*e teste# cells after t*e test - it* t*e &it pattern #efine# for t*is &lock &y parameter RamTst_"ill%attern e6cept for t*e test algorit*m RA , TST_A<RA?A , _T)ST_A%%9	<UG	(%) ! ISSU)

2**02**@2	RamTst	Dem e ent parameter name not generate# correctly	%ro&lem Description' If t*e s*ort name of Dem) ent%arameter in file Dem_RamTst9ar**6**ml is not appen#e# - it* any num&er t*en t*e Dem e ent parameter name is not getting generate# correctly9)**6**pecte# <e*a iour' D) , e ent parameters s*oul# generate# correctly as follo - s I#efine RA , TST_)_RA , _"AI>UR) J DemConf_Dem) ent%arameter_Dem) ent%arameter Actual <e*a iour' D) , e ent parameters are generate# as follo - s I#efine RA , TST_)_RA , _"AI>UR) J DemConf_Dem) ent%arameter_ T*is results in compilation issues as Mt*e i#entifier MDemConf_Dem) ent%arameter_M is un#efine#M	<UG	(%) ! ISSU)
2@**012**	RamTst	Issues in)U , 9	%ro&lem Description' T*is ticket is to report t*e #efects foun# in)U , 9 19In Section @ MSoft - are Generation ToolM an# MDri er Generation ToolM are use# in parallel: - *ic* is mislea#ing9 /Dri er Generation Tool4 s*oul# &e use# *ere9 29In Re ision ?istory Sl9 ! o9 **2** MAs part of %1**6 82911912** acti ity follo - ing c*anges are ma#e'M s*oul# &e remo e#9 A9In Section **293** +;+ is not marke# for user mo#e for RamTst A%ls: e en - it* kno - n limitations liste# in Ta&le **251**9 T*is is not in line - it* ot*er , CA> mo#ules9User mo#e is supporte# &y RamTst_Run"ullTest: RamTst_Run%artialTest: RamTst_ , ain"unction: &ut - it* precon#ition t*at t*e critical section s*oul# &e #isa&le#9)**6**pecte# &e*a ior **!**7A Actual &e*a ior **!**7A	<UG	(%) ! ISSU)
2@**013**	RamTst	RamTst_Ram9c an# RamTst_Ram9* files are missing9	%ro&lem Description ' Unlike ot*er , CA> mo#ules t*ere are no #e#icate# files: ie9 RamTst_Ram9c an# RamTst_Ram9*: to a##ress glo&al aria&les9 In ot*er , CA> mo#ules **C** , S **!D**_Ram9c an# **C** , S **!** _Ram9**D** use# to a##ress glo&al aria&les9 Actual <e*a ior ' **!** o #e#icate# file is e**6**ist to a##ress glo&al aria&les9)**6**pecte# <e*a ior ' To maintain consistent file structures across all t*e , CA> mo#ules t*ese files s*oul# &e a##e# to a##ress glo&al aria&les9	<UG	(%) ! ISSU)

2@**01**7	RamTst	Autosar re**$**uirement RamTst**1AA** is not implemente# properly9	%ro**&**lem Description **'** As per AUT**(**SAR re**$**uirement RamTst**1AA '** **M**lf t*****e D**)**T is ena**&**le# an# t*****e e**6**ecution status of t*****e RA **,** Test is not RA **,** TST_**);)**CUTI**(!**_RU**!!!**G or RA **,** TST_**);)**CUTI**(!**_SUS%**)!**D**)**D: t*****e function RamTst_Stop s*****all report t*****e error alue RA **,** TST_**)**_STATUS_"AI>UR**)** to t*****e D**)**T: an# t*****en imme#iately return9M Actual **<**e*****a ior **'** In t*****e current implementation e**6**ecution status is c*****ecke# against ST**(%%)**D as **&**elo **-'** else if ERA **,** TST_**);)**CUTI**(!**_ST**(%%)**D **LL** RamTst_**)6**ecutionStatusF in RamTst_Stop A%!9 **)6**pecte# **<**e*****a ior **'** **!7**A	**<**UG	**(%)!** ISSU**)**
2@**01**@	RamTst	Autosar re**$**uirement RamTst**11A** is not implemente# properly9	%ro**&**lem Description **'** As per t*****is re**$**uirement RamTst9***** s*****all inclu#e St#_Types9***** #irectly9 In current implementation St#_Types9***** is inclu#e# ia RamTst_Types9*****9 Actual **<**e*****a ior **'** St#_Types9***** is inclu#e# RamTst_Types9***** an# RamTst_Types9***** is inclu#e# RamTst9*** -***ic***** is not correct as per Autosar re**$**uirement RamTst**11A**9 **)6**pecte# **<**e*****a ior **'** RamTst9***** s*****all inclu#e St#_Types9***** #irectly9	**<**UG	**(%)!** ISSU**)**
2**3**11**=**	S%I	SpiRo**&)**n#**!** otification functions are not generate# correctly: **-***en t**-** o or more Ro**&**s *****a e t*****e same Ro**&)**n#**!** otification function9	%ro**&**lem #escription' SpiRo**&)**n#**!** otification functions are not generate# correctly: **-***en t**-** o or more Ro**&**s *****a e t*****e same Ro**&)**n#**!** otification function9 Some Ro**&)**n#**!** otifications functions are **!** U**>>** after t*****e generation: in spite t*****ey are not configure# as **!** U**>>**9 T*****ere is no information or **-** arning in t*****e generator**‹**s manual: t*****at t*****is configuration **-** oul# not **&**e allo**-** e#9 **)6**pecte# **&**e*****a ior' If t*****e follo**-** ing SpiRo**&)**n#**!** otifications are in one configuration' Ts**-** Spi_AsyncRo**&)**n#**!** otif Ts**-** Spi_AsyncRo**&)**n#**!** otif **!** U**>>** **!** U**>>** Ts**-** Spi_%rioC*****eckRo**&1)**n#**!** otif Ts**-** Spi_%rioC*****eckRo**&2)**n#**!** otif Ts**-** Spi_%rioC*****eckRo**&A)**n#**!** otif Ts**-** Spi_%rioC*****eckRo**&2)**n#**!** otif Ts**-** Spi_%rioC*****eckRo**&3)**n#**!** otif **!** U**>>** **!** U**>>** t*****e same s*****oul# **&**e e**6**pecte# to **&**e generate# in Spi_**<**%cfg9c Actual **&**e*****a ior' Instea# in Spi_**<**%cfg9c **-** e *****a e t*****e follo**-** ing' **!** U**>>**_%TR Ts**-** Spi_AsyncRo**&)**n#**!** otif	**<**UG	**(%)!** ISSU**)**

20A@=	S%I	S*ort name: "ile name an# %at* generate# for error i#)RR1@A13@ is incorrect	%ro&lem Description')RR1@A13@ message is generating as follo - s T*e reference pat* C7AUT(SAR7)cucDefs7Dem17DemConfigSet17Dem) ent%arameteD pro i#e# for t*e parameter +S%I_)_?ARDBAR)_)RR(R+ in t*e container +SpiDem) ent%arameterRefs+: *a ing s*ortname C?AS?E16A1@2=acFTS*ort ! ameUD is incorrect9 "ile ! ame' ?AS?E16A1@2=acF T"ile ! ameU %at*' ?AS?E16A1@2=acFTS*ort ! ameU)6pecte# <e*a iour' Correct S*ort name: "ile name an# %at* s*oul# &e generate# for error i#)RR1@A13@9 Actual <e*a iour' S*ort name: "ile name an# %at* generate# for error i#)RR1@A13@ are - rong9	<UG	(%) ! ISSU)
20221	S%I	)6ecution stuck in Spi_?BTransmitSyncRo& function	%ro&lem Description' B*en a se$uence is transmitte# sync*ronously: t*e e6ecution *angs in Spi_?BTransmitSyncRo&9)6pecte# <e*a iour' Se$uence s*oul# &e transmitte# - it*out *ang9 Actual <e*a iour' Calling Spi_SyncTransmit A%I results *anging in Spi_?BTransmitSyncRo& A%I 9	<UG	(%) ! ISSU)
20702	S%I	T*e S%I #ri er #oes not c*ange its status in case of #ata consistency error occurs #uring sync transmission9	%ro&lem #escription' In case of #ata consistency error flag ECSI?nDC)F is set #uring S%I sync transmission: t*e ongoing se$uence is a&orte#9 T*e pro&lem is t*at after t*e ongoing se$uence - as a&orte#: t*e glo&al aria&le Spi_Gus? - Status is not c*ange# &y t*e Spi_SyncTransmit A%I9 T*is &locks all t*e ne6t S%I communication9)6pecte# result' In case of consistency error #etection #uring S%I Sync transmission: t*e ongoing se$uence must &e cancelle#9 Actual result' After consistency error #etection #uring S%I Sync transmission: - *ole furt*er communication is &locke#9 A - orkaroun# is not to ena&le t*e CSI?nCT>19CSI?nDCS &it: until t*is issue is not fi6e#9	<UG	(%) ! ISSU)
270@@	S%I	Illegal , emory access in Spi_Dri er9c in A%I Spi_TransmitISREF	%ro&lem #escription' If t*e if con#ition' if ES%I_"I"(_<U"")R_"U>>bL Spi_Guc?B"ifo<ufferSts/S%I_"I"(_R;_I!D);4FF fails: t*e pointer >p%<C*annelConfig - ill not &e initialise# Esince it is - ritten in t*e if con#ition at >ine 3017F T*is - oul# lea# to an illegal memory access Eat >ine'37171F - *ere >p%<C*annelConfig is use#9)6pecte# <e*a ior' T*e aria&le >p%<C*annelConfig s*all &e initiaiXe# &efore use# Actual &e*a ior' If t*e if con#ition EEif ES%I_"I"(_<U"")R_"U>>bL Spi_Guc?B"ifo<ufferSts/S%I_"I"(_R;_I!D);4FFF fails: >p%<C*annelConfig is not initiaiXe#9	<UG	(%) ! ISSU)

27717	S%I	Illegal , emory access in Spi_Dri er9c	%ro&lem Description' In Spi_Dri er9c: A%I Spi_TransmitISREF: t*e local aria&le >pRo&Config is initialiXe# in t*e part of co#e as &elo -9 if ES%I_"I" (_<U"") R_U ! I ! IT LL Spi_Guc?B "ifo<ufferSts/S%I_"I" (_R ; _I ! D) ; 4F T 999999999999990 9999999999999990 >pRo&Config L Spi_Gp"irstRo& ^ >##Ro&In#e60 U If t*e con#ition S%I_"I" (_<U"") R_U ! I ! IT is not e$ual to Spi_Guc?B "ifo<ufferSts/S%I_"I" (_R ; _I ! D) ; 4F: t*e aria&le >pRo&Config - ill not &e initialiXe#9 T*is coul# lea# to illegal memory access since t*e aria&le is also use# else - *ere9)g' In t*e #o - *ile loop &elo - t*e if loop mentione# in t*e #escription: I if ES%I_D , A_ , (D)_) ! A<>) LL STD_ (! F 7W , ISRA 8iolation' START , sgE2'2=02F51@ W7 if EES%I_I ! T) RRU%T_ , (D) LL Spi_G##Async , o#eF PP ES%I_I ! 8A>ID_D , AU ! IT LL >pRo&Config5DucR6DmaDe iceIn#e6FF 7W) ! D , sgE2'2=02F51@ W7 I en#if)6pecte# <e*a ior' ! one Actual <e*a ior' Illegal , emory access coul# *appen if t*e if con#ition mentione# in t*e pro&lem #escription fails9	<UG	(%) ! ISSU)
27=7@	S%I	Spi_SyncTransmit A%I is not - orking properly9	%ro&lem Description' - *en calling Spi_SyncTransmitEF an e6ception is occurring from pri ate A%I Spi_?BTransmitSyncRo&EF9 (n analysis - e foun# t*at t*is is &ecause of improper *an#ling of a - *ile loop e6it criteria: resulting in illegal memory access9)6pecte# &e*a ior' Spi_SyncTransmitEF e6ecute - it* out any e6ception9 Actual &e*a ior' An e6ception is occurring - *ile e6ecution of Spi_SyncTransmitEF A%I9	<UG	(%) ! ISSU)
2@2AA	S%I	Improper pre5compiler s - itc* for t*e Spi_ , ainfunction_?an#ling function #efinition	%ro&lem Description' Spi_ , ainfunction_?an#ling function s*oul# &e in oke# only - *en polling mec*anism is selecte# &y Spi_SetAsync , o#e A%I9 T*is mo#e can &e set only - *en t*e S%I_>)8)>_D)>I8)R)D is t - o9 &ut t*e pre compiler s - itc* for t*e function #efinition is as follo - s I if EEES%I_>)8)>_D)>I8)R)D LL S%I_(!)F VV ES%I_>)8)>_D)>I8)R)D LL S%I_TB (FF J PP ES%I_?BU ! IT_ASH ! C?R (! (US LL STD_ (! FF I #efine S%I_START_S)C_%U<>IC_C (D) I inclu#e M , em , ap9*M "U ! CE oi#: S%I_%U<>IC_C (D)F Spi_ , ain"unction_?an#ling E oi#F T 999)6pecte# <e*a iour' Spi_ , ainfunction_?an#ling function s*all &e a aila&le in >e el 2 only9 Actual <e*a iour' Spi_ , ainfunction_?an#ling function is a aila&le in >e el 1 an# 2 also9	<UG	(%) ! ISSU)
2@22=	S%I	Spi"ifoTime (ut parameter is man#atory	%ro&lem #escription' Spi"ifoTime (ut parameter is ma#e man#atory &ut it is only ali# for CSI?)6pecte# &e*a iour' Spi"ifoTime (ut parameter s*oul# &e optional Emultiplicity 1911F an# a##itionally t*ere s*oul# &e a generator error c*eck in case it is not configure# for CSI? ?B units in "I" (mo#e9	<UG	(%) ! ISSU)

2@231	S%I	T*e information pro i#e# a&out user mo#e an# super isor mo#e is not correct in t*e user manual	%ro&lem Description' In t*e user manual Ta&le 253: it in#icates t*at Spi_ , ain"unction_?an#lingEF re$uires Super isor mo#e access - *en Interrupt mo#e is acti e ESI9 ! o9 12F: t*oug* Spi_ , ain"unction_?an#lingEF is not necessary in interrupt mo#e9 Also: Spi_AsyncTransmitEF: SI9 ! o9 2 in Ta&le 253: is missing any mark in t*e Interrupt , o#e7user mo#e column99)6pecte# <e*a iour' Spi_ , ain"unction_?an#ling s*all &e remo e# in interrupt mo#e an# Spi_AsyncTransmitEF s*all &e correcte# for applica&le mo#es9 Actual <e*a iour' Spi_ , ain"unction_?an#ling is marke# for &ot* interrupt an# %olling mo#es9 an# Spi_AsyncTransmitEF is missing any mark in t*e Interrupt , o#e7user mo#e column9	<UG	(%) ! ISSU)
2@A02	S%I	)rror)RR1@A121 is generate# - *en Spi)na&leCs is configure# as false	%ro&lem Description' B*en t*e %arameter Spi)na&leCs is configure# as false Spi%ort%inSelect s*oul# not &e configure#9 <ut - *en Spi%ort%inSelect is not configure# tool is generating error)RR1@A1215 t*e parameter +Spi%ort%inSelect+ alue in t*e container +SpiRo&C6D+: s*oul# &e configure# as CS>CnD since +CSI?C6D+ is configure#9)6pecte# <e*a iour' Tool s*oul# not generate error9 Actual <e*a iour')RR1@A121 is generate#9	<UG	(%) ! ISSU)
2@230	S%I	8aria&les are uninitialiXe# - *en t*e certain con#ition #oes not meet9	%ro&lem #escription' Some of t*e 8aria&les are uninitialiXe# - *en t*e follo - ing con#itions are not met9 - *en t*e S%I_DIR)CT_ACC)SS_ , (D) is STD_(")6pecte# &e*a ior' <efore using t*e aria&les: 8aria&les s*oul# &e initialiXe#9 Actual &e*a ior' <efore using t*e aria&les: 8aria&les are not initialiXe# - *en S%I_DIR)CT_ACC)SS_ , (D) is STD_("	<UG	(%) ! ISSU)
2@070	S%I	Calling of Spi_ , ain"unction_?an#ling possi&le in interrupt mo#e	Description' If interrupt mo#e is selecte# ESpi_SetAsync , o#eES%I_I ! T)RRU%T_ , (D)FF a call to Spi_ , ain"unction_?an#lingEF is possi&le9 "unctions Spi_TransmitISR an# Spi_Recei eISR are calle# t*ere - it*out furt*er c*ecks9 T*is can cause corrupte# #ata transmission9 Actual <e*a ior' ! o error &ut corrupte# #ata9)6pecte# <e*a ior' In interrupt mo#e a call to Spi_ , ain"unction_?an#ling s*all &e reIecte#: e9g9 &y D)T9	<UG	(%) ! ISSU)

2@1==	BDG	B#g_Set , o#e function reports D) , error if BDGI"_("" _ , (D) is selecte#	%ro&lem #escription' As per AUT (SAR specification /BDG1014: B#g_Set , o#e function supports BDGI"_("" _ , (D)9 An# t*e user sets B#gDisa&leAllo - e# parameter +true+ in Configuration tool9 ?o - e er: in co#e B#g_3=_Dri erA_Set , o#e function reports a Dem)rror in case BDGI"_("" _ , (D) is selecte#9 B#g_3=_Dri erA_Set , o#e function in B#g_3=_Dri erA9c' if E , o#e LL BDGI"_("" _ , (D)F T 7W Report)rror to D) , W7 Dem_Report)rrorStatusEBDG_3=_DRI8)RA_)_DISA<>)_R)R)CT)D: D) , _)8) ! T_STATUS_"AI>)DF0 BDG #ri er #oes not allo - B#g_Set , o#e function to translate t*e state into ("" &y M292 BDG State DiagramM in BDG Dri er Component)m&e##e# User+s , anual Re 9191 ! o 211A9 Customer nee# to kno - t*e &ackgroun# for t*is9)6pecte# &e*a iour' B#g_Set , o#e function s*all report D) , error only if re$uire# mo#e is +BDGI"_("" _ , (D)+ an# +B#gDisa&leAllo - e#+ is false9 Actual &e*a iour' B#g_Set , o#e function is reporting D) , error only if re$uire# mo#e is +BDGI"_("" _ , (D)+ an# +B#gDisa&leAllo - e#+ is true9	<UG	(%) ! ISSU)