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Herschel PACS
DPU OBS
Detailed Design Document
Appendix 2 – Project Overview

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Herschel PACS

DPU OBS

Detailed Design Document Appendix 2 Project Overview

Document Ref.: PACS-CR-DD-023

Issue: 3.3

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TABLE OF CONTENTS

● MODULE DUMMY.C OVERVIEW	4
● MODULE MM_MISC.C OVERVIEW	4
● MODULE MM_LIB.C OVERVIEW.....	5
● MODULE MM_CRC.C OVERVIEW.....	6
● MODULE L5_D_AUT.C OVERVIEW	8
● MODULE EPRM.C OVERVIEW	9
● MODULE INIT1553.C OVERVIEW	13
● MODULE ISR1553.C OVERVIEW	14
● MODULE L4_FUNC.C OVERVIEW	15
● MODULE L4_LIB.C OVERVIEW	16
● MODULE L4_MEM.C OVERVIEW	17
● MODULE L4_OBCP.C OVERVIEW	18
● MODULE L9_BOL_P.C OVERVIEW.....	19
● MODULE L9_EPRM.C OVERVIEW	19
● MODULE L9_GRATP.C OVERVIEW	20
● MODULE L9_MISC.C OVERVIEW	21
● MODULE L9_NEWOB.C OVERVIEW	22
● MODULE L9_P1355.C OVERVIEW	22
● MODULE L9_PHOTC.C OVERVIEW	23
● MODULE L9_PHOTP.C OVERVIEW.....	24
● MODULE L9_SPCMD.C OVERVIEW	25
● MODULE L9_SPECC.C OVERVIEW	26



- **MODULE L9_SWITC.C OVERVIEW 26**
- **MODULE LT_1355.C OVERVIEW 27**
- **MODULE LT_FUNC.C OVERVIEW 28**
- **MODULE LT_INIT.C OVERVIEW 29**
- **MODULE LT_UPTMB.C OVERVIEW 30**
- **MODULE MILCONF.C OVERVIEW 31**
- **MODULE MILINIT.C OVERVIEW 34**
- **MODULE MILIRQ.C OVERVIEW 37**
- **MODULE MILMEM.C OVERVIEW 38**
- **MODULE MILRT.C OVERVIEW 41**
- **MODULE NODE1.C OVERVIEW 52**
- **MODULE T1_INIT.C OVERVIEW 53**
- **MODULE T2TMTCIF.C OVERVIEW 53**
- **MODULE T3IRQ1SV.C OVERVIEW 54**
- **MODULE T4CNTRLR.C OVERVIEW 56**
- **MODULE T5_HKMON.C OVERVIEW 56**
- **MODULE T6_MECRX.C OVERVIEW 58**
- **MODULE T7_SPSRX.C OVERVIEW 58**
- **MODULE T8_SPLRX.C OVERVIEW 59**
- **MODULE T9_OBCP.C OVERVIEW 60**
- **MODULE UTIL1553.C OVERVIEW 61**



● Module DUMMY.c Overview

◆ Functions

◆ function returning void	Dummy(void)	function Dummy parameters none
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▶ Implementation Details

File
DUMMY.c

Last Modified
13/06/2006

● Module MM_MISC.c Overview

◆ Functions

◆ function returning unsigned int	is_even (auto unsigned int a)	function is_even parameters auto unsigned int a
◆ function returning unsigned int	IFSI_DIV (auto unsigned int Dividend auto unsigned int Divisor)	function IFSI_DIV parameters auto unsigned int Dividend auto unsigned int Divisor
◆ function returning void	read_BSW_counters (auto ptr to unsigned int p_counters)	function read_BSW_counters parameters auto ptr to unsigned int p_counters
◆ function returning unsigned int	IFSI_MOD (auto unsigned int Dividend auto unsigned int Divisor)	function IFSI_MOD parameters auto unsigned int Dividend auto unsigned int Divisor

► Implementation Details

File
MM_MISC.c

Last Modified
14/06/2006

● Module MM_lib.c Overview

◆ Variables

◆ static array of struct <unnamed>	ME memory_map
◆ static int	NU Number_of_mem_segment
◆ unsigned int	ad icpy_len
◆ unsigned int	Ma ke_reset

◆ Functions

◆ function returning int	cr eat_memory_heade r(auto ptr to unsigned int data auto unsigned int length_to_check auto ptr to struct <unnamed> p_header)	function create_memory_header parameters auto ptr to unsigned int data auto unsigned int length_to_check auto ptr to struct <unnamed> p_header
◆ function returning unsigned int	me mory_check(auto unsigned int crc_init auto ptr to struct <unnamed> p_head)	function memory_check parameters auto unsigned int crc_init auto ptr to struct <unnamed> p_head
◆ function returning void	de lete_memory_segme nts(void)	function delete_memory_segme nts parameters none
◆ function returning unsigned int	co py_OBSW_image(auto unsigned int direction auto unsigned int StartDestAddr auto unsigned int	function copy_OBSW_image parameters auto unsigned int direction



NumOfWords)

auto unsigned int
StartDestAddr
auto unsigned int
NumOfWords

function returning int

add_memory_segment
(auto unsigned int par_offset
auto unsigned int par_size auto
unsigned int par_ID auto int
par_is_writeable)

function
add_memory_segment
parameters auto unsigned int
par_offset
auto unsigned int par_size
auto unsigned int par_ID
auto int par_is_writeable

function returning unsigned int

memory_dump(auto ptr
to struct <unnamed> p_head
auto ptr to unsigned int
data_dumped auto ptr to
unsigned int start_address)

function memory_dump
parameters auto ptr to struct
<unnamed> p_head
auto ptr to unsigned int
data_dumped
auto ptr to unsigned int
start_address

function returning unsigned int

memory_load(auto ptr to
unsigned int data auto ptr to
struct <unnamed> p_head auto
ptr to int err)

function memory_load
parameters auto ptr to
unsigned int data
auto ptr to struct <unnamed>
p_head
auto ptr to int err

► Implementation Details

File

MM_lib.c

Last Modified

19/11/2006

● Module MM_crc.c Overview

● Variables

static array of unsigned int **CRC_table**

◆ Functions

◆ function returning unsigned int	crc8 (auto unsigned int crc auto unsigned int datum)	function crc8 parameters auto unsigned int crc auto unsigned int datum
◆ function returning unsigned int	crc16 (auto unsigned int crc auto unsigned int datum)	function crc16 parameters auto unsigned int crc auto unsigned int datum
◆ function returning unsigned int	memcrc16 (auto unsigned int len auto ptr to unsigned int p_data auto unsigned int crc)	function memcrc16 parameters auto unsigned int len auto ptr to unsigned int p_data auto unsigned int crc
◆ function returning unsigned int	memcrc32_pm (auto unsigned int len auto ptr to unsigned int p_data auto unsigned int crc)	function memcrc32_pm parameters auto unsigned int len auto ptr to unsigned int p_data auto unsigned int crc
◆ function returning unsigned int	crc32 (auto unsigned int crc auto unsigned int datum)	function crc32 parameters auto unsigned int crc auto unsigned int datum
◆ function returning unsigned int	memcrc32 (auto unsigned int len auto ptr to unsigned int p_data auto unsigned int crc)	function memcrc32 parameters auto unsigned int len auto ptr to unsigned int p_data auto unsigned int crc
◆ function returning unsigned int	memcrc8 (auto unsigned int len auto ptr to unsigned int p_data auto unsigned int crc)	function memcrc8 parameters auto unsigned int len auto ptr to unsigned int p_data auto unsigned int crc

► Implementation Details

File

MM_crc.c

Last Modified

13/06/2006

● Module L5_D_AUT.c Overview

◆ Variables

◆ library array of unsigned int	Dec_values
◆ library array of unsigned int	Dpu_values
◆ library array of struct HK_def	Dpu_hk
◆ library array of struct HK_def	Sps_hk
◆ library array of struct HK_def	Spl_hk
◆ library unsigned int	Save_chksum_T3
◆ library array of unsigned int	Param_for_AF
◆ library unsigned int	Save_chksum_T5
◆ library array of unsigned int	Dpu_time
◆ static unsigned int	seconds_at_last_event
◆ library array of struct HK_def	Dec_hk

◆ Functions

◆ function returning void	bol_temp_fpu(void)	function bol_temp_fpu parameters none
◆ function returning void	heater_sp(void)	function heater_sp parameters none
◆ function returning void	monitor_counter_stable(void)	function monitor_counter_stable parameters none
◆ function returning void	generate_event_norm	function



	al_HL(void)	generate_event_normal_HL parameters none
◆ function returning unsigned int	out_range(auto unsigned int value auto unsigned int upper_limit auto unsigned int lower_limit)	function out_range parameters auto unsigned int value auto unsigned int upper_limit auto unsigned int lower_limit
◆ function returning void	handle_TM_buffer(auto ptr to struct TM_packet p_tm)	function handle_TM_buffer parameters auto ptr to struct TM_packet p_tm
◆ function returning void	generate_event_invert (void)	function generate_event_invert parameters none
◆ function returning unsigned int	check_checksum(void)	function check_checksum parameters none
◆ function returning void	monitor_counter_changing(void)	function monitor_counter_changing parameters none
◆ function returning void	link_1355_lost(void)	function link_1355_lost parameters none

► Implementation Details

File
L5_D_AUT.c

Last Modified
03/03/2007

● Module Eprm.c Overview

◆ Variables

◆ static unsigned int **SAve_prio**

◆ static array of unsigned int	saj_FCSTable
◆ static array of unsigned long	EEPROM_page_Buffer
◆ static struct EepromHeader	sw_EepromHeader
◆ static int	interrupt_a
◆ static int	interrupt_b
◆ static int	interrupt_c
◆ static unsigned int	High_prio

◆ Functions

◆ function returning unsigned char	EepromWriteCell (auto unsigned long int m_Address auto unsigned long int m_Data)	function EepromWriteCell parameters auto unsigned long int m_Address auto unsigned long int m_Data
◆ function returning void	init_eprm_write_interrupt_prio (auto int int_a auto int int_b auto int int_c auto int high_prio)	function init_eprm_write_interrupt_prio parameters auto int int_a auto int int_b auto int int_c auto int high_prio
◆ function returning unsigned char	EepromEnableProtBank (auto unsigned int j_DummyOffsetCell auto unsigned char d_Bank)	function EepromEnableProtBank parameters auto unsigned int j_DummyOffsetCell auto unsigned char d_Bank
◆ function returning void	ComputeFCSTable (void)	function ComputeFCSTable parameters none
◆ function returning unsigned char	EepromDeleteSegment (auto unsigned int j_NumberOfSegment)	function EepromDeleteSegment parameters auto unsigned int j_NumberOfSegment

<ul style="list-style-type: none"> function returning ptr to struct EepromHeader 	<p>WriteEepromHeader(auto unsigned int j_TotNumofSeg auto unsigned int j_IndexCurrSeg auto unsigned int j_FcsTot auto unsigned char d_BootOpt auto unsigned long int m_AswStartAddr auto unsigned char d_AswStartAddrFlags auto unsigned char d_LoadDmToPmOpt auto unsigned int j_FcsPmSeg auto unsigned long int m_PmSegLength auto unsigned int j_j_FcsEepromDmSeg auto unsigned char d_Reserved auto unsigned long int m_NextEepromSeg auto unsigned long int m_PmSegStartAddr)</p>	<p>function WriteEepromHeader parameters auto unsigned int j_TotNumofSeg auto unsigned int j_IndexCurrSeg auto unsigned int j_FcsTot auto unsigned char d_BootOpt auto unsigned long int m_AswStartAddr auto unsigned char d_AswStartAddrFlags auto unsigned char d_LoadDmToPmOpt auto unsigned int j_FcsPmSeg auto unsigned long int m_PmSegLength auto unsigned int j_j_FcsEepromDmSeg auto unsigned char d_Reserved auto unsigned long int m_NextEepromSeg auto unsigned long int m_PmSegStartAddr</p>
<ul style="list-style-type: none"> function returning unsigned char 	<p>EepromClearCell(auto unsigned long int m_Address)</p>	<p>function EepromClearCell parameters auto unsigned long int m_Address</p>
<ul style="list-style-type: none"> function returning unsigned char 	<p>EepromWriteSegment (auto ptr to struct EepromHeader pw_EepromHeader auto ptr to unsigned long int pm_buffer auto unsigned int j_NumberOfSegment)</p>	<p>function EepromWriteSegment parameters auto ptr to struct EepromHeader pw_EepromHeader auto ptr to unsigned long int pm_buffer auto unsigned int j_NumberOfSegment</p>
<ul style="list-style-type: none"> static function returning unsigned int 	<p>DmEepromComputeFCS(auto unsigned int</p>	<p>function DmEepromComputeFC</p>

	<p>j_NumberOfWords auto ptr to struct MemoryCell pd_DmBuffer auto unsigned int j_StartWords)</p>	S
◆ function returning unsigned char	<p>EepromReadCell(auto unsigned long int m_Address auto ptr to unsigned long int pm_Data)</p>	<p>parameters auto unsigned int j_NumberOfWords auto ptr to struct MemoryCell pd_DmBuffer auto unsigned int j_StartWords</p> <p>function EepromReadCell parameters auto unsigned long int m_Address auto ptr to unsigned long int pm_Data</p>
◆ static function returning unsigned int	<p>ComputeFCS(auto unsigned int j_PartialFcs auto unsigned char d_Byte)</p>	<p>function ComputeFCS parameters auto unsigned int j_PartialFcs auto unsigned char d_Byte</p>
◆ function returning unsigned char	<p>CopyProgramInEEPROM(auto unsigned long int m_PmEndAddress auto unsigned long int m_PmStartAddress auto unsigned long int m_FlagPartition auto ptr to unsigned int pj_PageToAvoid auto unsigned int j_FcsPmTotal)</p>	<p>function CopyProgramInEEPROM parameters auto unsigned long int m_PmEndAddress auto unsigned long int m_PmStartAddress auto unsigned long int m_FlagPartition auto ptr to unsigned int pj_PageToAvoid auto unsigned int j_FcsPmTotal</p>
◆ function returning unsigned int	<p>ComputeFcsOverall(auto unsigned long int m_PmEndAddress auto unsigned long int m_PmStartAddress)</p>	<p>function ComputeFcsOverall parameters auto unsigned long int m_PmEndAddress auto unsigned long int m_PmStartAddress</p>
◆ function returning	<p>EepromDisableProtBa</p>	function

unsigned char	nk (auto unsigned char d_Bank)	EepromDisableProtBank parameters auto unsigned char d_Bank
function returning unsigned int	PackPMWordsinEepromPage (auto unsigned long int m_PmEndAddress auto ptr to unsigned long int p_PmAddress auto unsigned int limit)	function PackPMWordsinEepromPage parameters auto unsigned long int m_PmEndAddress auto ptr to unsigned long int p_PmAddress auto unsigned int limit

► Implementation Details

File
Eprm.c

Last Modified
15/06/2007

● Module init1553.c Overview

◆ Functions

static function returning void	dpu_rt_init (void)	function dpu_rt_init parameters none
function returning void	main_1553_init (void)	function main_1553_init parameters none
function returning void	main_1553_exit (void)	function main_1553_exit parameters none

► Implementation Details

File
init1553.c

Last Modified
03/03/2007

● Module isr1553.c Overview

◆ Variables

◆ static array of int	sa27
◆ static array of int	sa1t
◆ static array of int	tm_req
◆ static array of int	SA10
◆ static array of int	cOffset
◆ static array of int	SA27
◆ static array of int	sa10
◆ static struct MsgStruct	msg

◆ Functions

◆ function returning int	isr1553 (auto int status)	function isr1553 parameters auto int status
◆ static function returning void	checkFreeDPRAM (void)	function checkFreeDPRAM parameters none
◆ static function returning void	publish_TM_request (void)	function publish_TM_request parameters none
◆ static function returning void	checkCmndDPRAM (void)	function checkCmndDPRAM parameters none
◆ static function returning void	publish_TM_pointer (void)	function publish_TM_pointer parameters none
◆ static function returning void	force_step_TM_Request (void)	function force_step_TM_Request parameters none
◆ function returning void	readCmndDPRAM (void)	function readCmndDPRAM parameters none

▶ Implementation Details




















File

isr1553.c

Last Modified
 03/03/2007

Module L4_FUNC.c Overview

Variables

 library array of ptr to function returning void	p_FUNC
 static unsigned int	Header
 library array of unsigned int	Dec_values
 library ptr to struct channel	p_DEC_1355
 library ptr to struct channel	p_SPL_1355
 library int	TM_pkt_ctr
 library array of unsigned int	Dpu_values
 library array of struct HK_def	Dpu_hk
 library array of unsigned int	Task_index
 library volatile unsigned int	Burst_active
 library unsigned int	Link_through
 library ptr to struct channel	p_SPS_1355
 static struct TM_packet	TM
 library array of unsigned int	Seq_length
 library array of unsigned int	Param_for_AF
 library array of unsigned int	Seq_buffer
 library unsigned int	Counter_1_8
 library array of unsigned int	Make_reset
 library array of struct	Dec_hk

HK_def

◆ Functions

◆ function returning void	perform_activity (auto ptr to struct <unnamed> p_TC)	function perform_activity parameters auto ptr to struct <unnamed> p_TC
◆ function returning void	SEQ_handler (auto ptr to struct <unnamed> p_TC)	function SEQ_handler parameters auto ptr to struct <unnamed> p_TC
◆ function returning void	DPU_activity (auto ptr to struct <unnamed> p_TC)	function DPU_activity parameters auto ptr to struct <unnamed> p_TC

▶ Implementation Details

File
L4_FUNC.c

Last Modified
27/08/2007

● Module L4_LIB.c Overview

◆ Variables

◆ library array of struct <unnamed>	Ev_packet_enabled
◆ static struct TM_packet	TM_report
◆ static unsigned int	ACc_parameter
◆ library array of unsigned int	Dpu_values
◆ library array of unsigned int	Tm_packet_enabled
◆ static unsigned int	ACc_result
◆ library unsigned int	Counter_1_2
◆ static unsigned int	PTemp

◆ Functions

◆ function returning void	packet_control (auto ptr to struct <unnamed> p_tc auto ptr to struct TM_packet p_tm)	function packet_control parameters auto ptr to struct <unnamed> p_tc auto ptr to struct TM_packet p_tm
◆ function returning int	TC_acceptance (auto ptr to struct <unnamed> p_packet)	function TC_acceptance parameters auto ptr to struct <unnamed> p_packet
◆ function returning void	acceptance_report (void)	function acceptance_report parameters none

► Implementation Details

File

L4_LIB.c

Last Modified

03/03/2007

● Module L4_MEM.c Overview

◆ Variables

◆ library int	Words_to_dump
◆ library unsigned int	Counter_1_8

◆ Functions

◆ function returning void	memory_for_subsystem (auto ptr to struct <unnamed> p_head auto ptr to struct <unnamed> p_tc)	function memory_for_subsystem parameters auto ptr to struct <unnamed> p_head auto ptr to struct <unnamed> p_tc
◆ function returning void	mem_service (auto ptr to struct <unnamed> p_tc)	function mem_service parameters auto ptr to struct <unnamed> p_tc

► Implementation Details

File

L4_MEM.c

Last Modified

03/03/2007

● Module L4_OBCP.c Overview

● Variables

◆ library array of struct OBCP_param	Obcp_data
◆ library array of unsigned int	Obcp_data_current
◆ library array of ptr to function returning void	p_OBCP
◆ library unsigned int	Abort_OBCP
◆ static unsigned int	SERVICE
◆ library array of unsigned int	Dpu_values
◆ library array of unsigned int	Task_index
◆ library unsigned int	Link_through
◆ library array of unsigned int	Proc_ID_and_TC_header
◆ library unsigned int	Counter_1_8

◆ Functions

◆ function returning unsigned int	list_proc(void)	function list_proc parameters none
◆ function returning void	stop_OBCP(void)	function stop_OBCP parameters none
◆ function returning unsigned int	load_start_proc(auto ptr to struct <unnamed> p_tc auto ptr to struct TM_packet p_tm)	function load_start_proc parameters auto ptr to struct <unnamed> p_tc auto ptr to struct TM_packet p_tm



► Implementation Details

File

L4_OBCP.c

Last Modified

03/03/2007

● Module L9_BOL_P.c Overview

◆ Variables

◆ library array of struct OBCP_param	Obcp_data
◆ library array of unsigned int	Obcp_data_current
◆ library array of unsigned int	Buffer_for_1355_tx

◆ Functions

◆ function returning void	idle_state(void)	function idle_state parameters none
◆ function returning void	obmo(void)	function obmo parameters none
◆ function returning void	acwe(void)	function acwe parameters none

► Implementation Details

File

L9_BOL_P.c

Last Modified

07/11/2007

● Module L9_EEPRM.c Overview

◆ Variables

◆ library array of	Obcp_data_current
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unsigned int
library array of unsigned int

Dpu_values

Functions

function returning void **EEPROM_proc(void)** function
EEPROM_proc
parameters none

Implementation Details

File
L9_EEPRM.c

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27/09/2006

Module L9_GRATP.c Overview

Variables

library array of unsigned int **Dec_values**
library array of unsigned int **Obcp_data_current**
library struct time_struct **Time_of_dpu**
library array of unsigned int **Buffer_for_1355_tx**

Functions

function returning void **no_chopping(void)** function no_chopping
parameters none
function returning void **chopped_spectroscopy_2(void)** function
chopped_spectroscopy_2
parameters none
function returning void **chopped_spectroscopy(void)** function
chopped_spectroscopy
parameters none
function returning void **chopped_spectroscopy_dither(void)** function
chopped_spectroscopy_

function returning void	wave_switch_grating(void)	dither parameters none function wave_switch_grating
function returning void	chopped_spectroscopy_up_down(void)	parameters none function chopped_spectroscopy_up_down
function returning void	wave_switch_grating_2(void)	parameters none function wave_switch_grating
function returning void	chopped_spectroscopy_3(void)	parameters none function chopped_spectroscopy_3

► Implementation Details

File
L9_GRATP.c

Last Modified
28/04/2009

● Module L9_MISC.c Overview

◆ Variables

library array of unsigned int	Obcp_data_current
library struct time_struct	Time_of_dpu
library array of unsigned int	Tm_packet_enabled
library array of unsigned int	Buffer_for_1355_tx

◆ Functions

function returning void	spu_test_phot(void)	function spu_test_phot parameters none
function returning void	dec_test_mode(void)	function dec_test_mode

◆	function returning void	timesync_1(void)	parameters none function timesync_1
◆	function returning void	timesync_2(void)	parameters none function timesync_2
◆	function returning void	timesync_3(void)	parameters none function timesync_3
◆	function returning void	spu_test_spec(void)	parameters none function spu_test_spec
◆	function returning void	science_dummy(void)	parameters none function science_dummy parameters none

► Implementation Details

File
L9_MISC.c

Last Modified
19/11/2006

● Module L9_newOB.c Overview

◆ Functions

◆	function returning void	new_OBCP(void)	function new_OBCP parameters none
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► Implementation Details

File
L9_newOB.c

Last Modified
13/06/2006

● Module L9_P1355.c Overview

◆ Variables

◆	library ptr to struct	p_DEC_1355
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channel		
◆ library ptr to struct channel	p_SPL_1355	
◆ library array of unsigned int	Obcp_data_current	
◆ library array of unsigned int	Dpu_values	
◆ library ptr to struct channel	p_SPS_1355	

◆ Functions

◆ function returning void	proc1355(void)	function proc1355 parameters none
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▶ Implementation Details

File
L9_P1355.c

Last Modified
14/06/2006

● Module L9_PHOTC.c Overview

◆ Variables

◆ library array of unsigned int	Dec_values	
◆ library array of unsigned int	Obcp_data_current	
◆ library struct time_struct	Time_of_dpu	
◆ library array of unsigned int	Buffer_for_1355_tx	

◆ Functions

◆ function returning void	photometry_cal_iii(void)	function photometry_cal_iii parameters none
◆ function returning void	photometry_cal_ii(void)	function photometry_cal_ii parameters none

◆ function returning void	photometry_cal_i(void)	function photometry_cal_i parameters none
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► Implementation Details

File

L9_PHOTC.c

Last Modified

14/06/2006

● Module L9_PHOTP.c Overview

◆ Variables

◆ library array of unsigned int	Dec_values
◆ library array of unsigned int	Obcp_data_current
◆ library struct time_struct	Time_of_dpu
◆ library array of unsigned int	Buffer_for_1355_tx

◆ Functions

◆ function returning void	fixed_fixed_chopped_photometry(void)	function fixed_fixed_chopped_photometry parameters none
◆ function returning void	staring_photometry(void)	function staring_photometry parameters none
◆ function returning void	chopped_photometry(void)	function chopped_photometry parameters none
◆ function returning void	freeze_chopped_photometry(void)	function freeze_chopped_photometry parameters none
◆ function returning void	chopped_photometry_dither(void)	function chopped_photometry_d

function returning void

chopped_photometry_
up_down(void)

ither
parameters none
function
chopped_photometry_u
p_down
parameters none

► Implementation Details

File

L9_PHOTP.c

Last Modified

14/06/2006

● Module L9_SPCMD.c Overview

◆ Variables

◆ library ptr to struct channel	p_DEC_1355
◆ library ptr to struct channel	p_SPL_1355
◆ library array of unsigned int	Obcp_data_current
◆ library unsigned int	Save_int_EPR1
◆ library unsigned int	Save_int_EPR2
◆ library unsigned int	Save_int_EPR3
◆ library array of unsigned int	Dpu_values
◆ library unsigned int	Save_int_EPS1
◆ library unsigned int	Save_int_EPS2
◆ library unsigned int	Save_int_EPS3
◆ library unsigned int	Link_through
◆ library ptr to struct channel	p_SPS_1355
◆ library unsigned int	Save_int_ERR1
◆ library unsigned int	Save_int_ERR2
◆ library unsigned int	Save_int_ERR3

◆ Functions

◆ function returning void	start_HLSW(void)	function start_HLSW
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◆ static function returning void **irq1_by_polling(void)**

parameters none
function
irq1_by_polling
parameters none

► Implementation Details

File
L9_SPCMD.c

Last Modified
14/06/2006

● Module L9_SPECC.c Overview

◆ Variables

- ◆ library array of unsigned int **Dec_values**
- ◆ library array of unsigned int **Obcp_data_current**
- ◆ library struct time_struct **Time_of_dpu**
- ◆ library array of unsigned int **Buffer_for_1355_tx**

◆ Functions

- ◆ function returning void **spectroscopy_cal(void)** function spectroscopy_cal parameters none


► Implementation Details

File
L9_SPECC.c

Last Modified
14/06/2006

● Module L9_SWITC.c Overview

◆ Variables

	IESI	Herschel PACS	Ref.: PACS-CR-DD-023
	INAF	DPU OBS	Issue: 3.3
		Detailed Design Document	Date: 13 July 2009
		Appendix 2 – Project Overview	Page: 27/62

- ◆ library array of unsigned int **Obcp_data_current**
- ◆ library array of unsigned int **Dpu_values**
- ◆ library array of unsigned int **Buffer_for_1355_tx**
- ◆ library volatile unsigned int **Burst_active**

◆ Functions

- ◆ function returning void **go_SAFE2(void)** function go_SAFE2
parameters none
- ◆ function returning void **spec_to_phot(void)** function spec_to_phot
parameters none
- ◆ function returning void **go_SAFE(void)** function go_SAFE
parameters none

▶ Implementation Details

File
L9_SWITC.c

Last Modified
19/11/2006

● Module LT_1355.c Overview

◆ Variables

- ◆ library ptr to struct channel **p_DEC_1355**
- ◆ library ptr to struct channel **p_SPL_1355**
- ◆ library unsigned int **Abort_OBCP**
- ◆ library array of unsigned int **Dpu_values**
- ◆ library array of unsigned int **Task_index**
- ◆ library array of unsigned int **Tm_packet_enabled**
- ◆ int **Words_to_dump**

- ◆ library unsigned int **Link_through**
- ◆ static array of unsigned int **Ack**
- ◆ library ptr to struct channel **p_SPS_1355**

◆ Functions

- ◆ function returning int **tx_1355**(auto ptr to unsigned int command auto unsigned int length auto unsigned int link)
function tx_1355
parameters auto ptr to unsigned int command
auto unsigned int length
auto unsigned int link
- ◆ function returning void **ACK_handling**(auto ptr to unsigned int buffer auto unsigned int link)
function ACK_handling
parameters auto ptr to unsigned int buffer
auto unsigned int link

► Implementation Details

File

LT_1355.c

Last Modified

27/09/2006

● Module LT_FUNC.c Overview

◆ Variables

- ◆ library array of unsigned int **Dec_values**
- ◆ library array of unsigned int **Func_data**
- ◆ library array of unsigned int **Dpu_values**
- ◆ library array of struct HK_def **Dpu_hk**
- ◆ library array of unsigned int **Tm_packet_enabled**
- ◆ library array of struct **Dec_hk**

HK_def

◆ Functions

◆ function returning void	set_HK_list (auto ptr to unsigned int parameters)	function set_HK_list parameters auto ptr to unsigned int parameters
◆ function returning unsigned int	function_activity (auto unsigned int function_id auto unsigned int which_activity)	function function_activity parameters auto unsigned int function_id auto unsigned int which_activity

▶ Implementation Details

File
LT_FUNC.c

Last Modified
03/03/2007

● Module LT_INIT.c Overview

◆ Variables

◆ array of unsigned int	Spl_values
◆ array of unsigned int	Dec_values
◆ array of unsigned int	Sps_values

◆ Functions

◆ function returning void	init_1355 (void)	function init_1355 parameters none
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▶ Implementation Details

File
LT_INIT.c

Last Modified
13/06/2006

● Module LT_upTMb.c Overview

◆ Variables

◆ library array of struct <unnamed>	Ev_packet_enabled
◆ library array of unsigned int	Dec_values
◆ library array of struct TM_entry	Pool_HK_packets
◆ library int	RTAddress
◆ library int	Waiting_TM_packet
◆ library array of unsigned int	Dpu_values
◆ library ptr to struct MilConfStruct	MilRTConf
◆ library array of struct TM_entry	Pool_SC_packets
◆ library array of unsigned int	Tm_packet_enabled
◆ library array of struct TM_EVentry	Pool_EV_packets
◆ library array of unsigned int	Dpu_time
◆ library int	Current_time

◆ Functions

◆ function returning void	update_TM_buffer (auto ptr to struct TM_packet p_tm)	function update_TM_buffer parameters auto ptr to struct TM_packet p_tm
◆ function returning unsigned int	fill_in_type_subtype (auto ptr to struct TM_packet p_tm auto int type_code)	function fill_in_type_subtype parameters auto ptr to struct TM_packet p_tm auto int type_code
◆ function returning void	get_time (auto ptr to struct time_struct p_time)	function get_time parameters auto ptr to struct

time_struct p_time

<ul style="list-style-type: none"> ◆ function returning void ◆ function returning unsigned int ◆ function returning void 	<p>update_TM_EVbuffer (auto ptr to struct TM_EVpacket p_tm)</p> <p>get_APID(auto unsigned int apid_index)</p> <p>event_packet(auto unsigned int id auto ptr to unsigned int p_event_data)</p>	<p>function update_TM_EVbuffer parameters auto ptr to struct TM_EVpacket p_tm</p> <p>function get_APID parameters auto unsigned int apid_index</p> <p>function event_packet parameters auto unsigned int id auto ptr to unsigned int p_event_data</p>
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► Implementation Details

File
LT_upTMb.c

Last Modified
27/08/2007

● Module MilConf.c Overview

◆ Variables

◆ unsigned char	gd_SemaModeCode
◆ struct MsgBlockStruct	sw_MsgBlock
◆ array of struct RxMsgPointerStruct	gbv_RxMessages
◆ ptr to struct RxMsgPointer	gpw_RxMsg
◆ unsigned int	UserVar
◆ static struct MilConfStruct	sw_MilConf
◆ ptr to struct RxMsgPointerStruct	gpw_RxMsgPointer
◆ array of struct	gbv_TxMessages

RxMsgPointerStruct

◆ Functions

◆ function returning int	MilClose (auto ptr to struct MilConfStruct pw_MilConf)	function MilClose parameters auto ptr to struct MilConfStruct pw_MilConf
◆ function returning int	MilWriteReg (auto unsigned int j_Data auto unsigned int j_Offset auto ptr to struct MilConfStruct pw_MilConf)	function MilWriteReg parameters auto unsigned int j_Data auto unsigned int j_Offset auto ptr to struct MilConfStruct pw_MilConf
◆ function returning void	MilRTInterrptHandle r (auto int i_MilError)	function MilRTInterrptHandler parameters auto int i_MilError
◆ function returning unsigned int	MilReadRam (auto unsigned int j_Offset auto ptr to struct MilConfStruct pw_MilConf)	function MilReadRam parameters auto unsigned int j_Offset auto ptr to struct MilConfStruct pw_MilConf
◆ function returning void	MilInitStructMsg (auto ptr to struct RxMsgPointerStruct bw_Vector auto ptr to struct MilConfStruct pw_MilConf)	function MilInitStructMsg parameters auto ptr to struct RxMsgPointerStruct bw_Vector auto ptr to struct MilConfStruct pw_MilConf
◆ function returning int	MilBlockRead (auto ptr to unsigned int pj_Ptr auto unsigned int j_Length auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Addr)	function MilBlockRead parameters auto ptr to unsigned int pj_Ptr auto unsigned int j_Length auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Addr
◆ function returning ptr to struct MilConfStruct	MilOpen (void)	function MilOpen parameters none

<p>function returning int</p>	<p>MilRTReadStack(auto ptr to struct MilConfStruct pw_MilConf auto unsigned char d_EnhModeFlag auto unsigned char d_EnhModeCodeFlag)</p>	<p>function MilRTReadStack parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned char d_EnhModeFlag auto unsigned char d_EnhModeCodeFlag</p>
<p>function returning int</p>	<p>MilBlockWriteWithBound(auto ptr to unsigned int pj_Ptr auto unsigned int j_Length auto ptr to struct MemBlockStruct pw_Blkg auto ptr to unsigned int j_Offset auto ptr to struct MilConfStruct pw_MilConf)</p>	<p>function MilBlockWriteWithBound parameters auto ptr to unsigned int pj_Ptr auto unsigned int j_Length auto ptr to struct MemBlockStruct pw_Blkg auto ptr to unsigned int j_Offset auto ptr to struct MilConfStruct pw_MilConf</p>
<p>function returning int</p>	<p>MilWriteRam(auto unsigned int j_Data auto unsigned int j_Offset auto ptr to struct MilConfStruct pw_MilConf)</p>	<p>function MilWriteRam parameters auto unsigned int j_Data auto unsigned int j_Offset auto ptr to struct MilConfStruct pw_MilConf</p>
<p>function returning int</p>	<p>MilBlockWrite(auto ptr to unsigned int pj_Ptr auto unsigned int j_Length auto unsigned int j_Offset auto ptr to struct MilConfStruct pw_MilConf)</p>	<p>function MilBlockWrite parameters auto ptr to unsigned int pj_Ptr auto unsigned int j_Length auto unsigned int j_Offset auto ptr to struct MilConfStruct pw_MilConf</p>
<p>function returning int</p>	<p>MilBlockFill(auto unsigned int j_Length auto unsigned int j_Data auto unsigned int j_Offset auto ptr to struct MilConfStruct pw_MilConf)</p>	<p>function MilBlockFill parameters auto unsigned int j_Length auto unsigned int j_Data auto unsigned int j_Offset auto ptr to struct MilConfStruct</p>

pw_MilConf

function returning unsigned int

MilReadReg(auto unsigned int j_Offset auto ptr to struct MilConfStruct pw_MilConf)

function MilReadReg parameters auto unsigned int j_Offset auto ptr to struct MilConfStruct pw_MilConf

Implementation Details

File
MilConf.c

Last Modified
13/06/2006

Module Millnit.c Overview

Functions

function returning int

Mil1553AModeCd(auto unsigned char d_Selection auto ptr to struct MilConfStruct pw_MilConf)

function Mil1553AModeCd parameters auto unsigned char d_Selection auto ptr to struct MilConfStruct pw_MilConf

function returning int

MilSamplingSel(auto unsigned char d_Selection auto ptr to struct MilConfStruct pw_MilConf)

function MilSamplingSel parameters auto unsigned char d_Selection auto ptr to struct MilConfStruct pw_MilConf

function returning int

MilClockSel(auto unsigned char d_Selection auto ptr to struct MilConfStruct pw_MilConf)

function MilClockSel parameters auto unsigned char d_Selection auto ptr to struct MilConfStruct pw_MilConf

function returning int

MilTimeTagResolutio

function



	n (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Value)	MilTimeTagResolution parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Value
◆ function returning int	MilRamParityCheck (auto unsigned char d_Selection auto ptr to struct MilConfStruct pw_MilConf)	function MilRamParityCheck parameters auto unsigned char d_Selection auto ptr to struct MilConfStruct pw_MilConf
◆ function returning void	MilParseCmdWord (auto ptr to unsigned int j_Rt auto ptr to unsigned int j_Sa auto ptr to struct MilConfStruct pw_MilConf auto ptr to unsigned int j_Tr auto unsigned int j_CmdWord auto ptr to unsigned int j_Wc)	function MilParseCmdWord parameters auto ptr to unsigned int j_Rt auto ptr to unsigned int j_Sa auto ptr to struct MilConfStruct pw_MilConf auto ptr to unsigned int j_Tr auto unsigned int j_CmdWord auto ptr to unsigned int j_Wc
◆ function returning int	MilPreset (auto ptr to struct MilConfStruct pw_MilConf)	function MilPreset parameters auto ptr to struct MilConfStruct pw_MilConf
◆ function returning int	MilReset (auto ptr to struct MilConfStruct pw_MilConf)	function MilReset parameters auto ptr to struct MilConfStruct pw_MilConf
◆ function returning int	MilTimeout (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Value)	function MilTimeout parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Value
◆ function returning int	MilValidBUSYNoDat a (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection)	function MilValidBUSYNoData parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection



◆ function returning int	MilRTSelfTest (auto ptr to struct MilConfStruct pw_MilConf)	function MilRTSelfTest parameters auto ptr to struct MilConfStruct pw_MilConf
◆ function returning int	MilWordBoundaries (auto unsigned char d_Selection auto ptr to struct MilConfStruct pw_MilConf)	function MilWordBoundaries parameters auto unsigned char d_Selection auto ptr to struct MilConfStruct pw_MilConf
◆ function returning unsigned int	MilCreateCmdWord (auto unsigned int j_Rt auto unsigned int j_Sa auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Tr auto unsigned int j_Wc)	function MilCreateCmdWord parameters auto unsigned int j_Rt auto unsigned int j_Sa auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Tr auto unsigned int j_Wc
◆ function returning unsigned int	MilReadTimeTag (auto ptr to struct MilConfStruct pw_MilConf)	function MilReadTimeTag parameters auto ptr to struct MilConfStruct pw_MilConf
◆ function returning int	MilTimeTagTest (auto ptr to struct MilConfStruct pw_MilConf)	function MilTimeTagTest parameters auto ptr to struct MilConfStruct pw_MilConf
◆ function returning int	MilValidMENoData (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection)	function MilValidMENoData parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection
◆ function returning int	MilEnhancedMode (auto unsigned char d_Selection auto ptr to struct MilConfStruct pw_MilConf)	function MilEnhancedMode parameters auto unsigned char d_Selection

function returning int

MilTimeTagReset(auto ptr to struct MilConfStruct pw_MilConf)

auto ptr to struct MilConfStruct
pw_MilConf

function
MilTimeTagReset
parameters auto ptr to struct MilConfStruct pw_MilConf

► Implementation Details

File
MillInit.c

Last Modified
13/06/2006

● Module Millrq.c Overview

◆ Functions

function returning int

MilIrqEnable(auto unsigned int j_Mask auto ptr to struct MilConfStruct pw_MilConf)

function MilIrqEnable
parameters auto unsigned int j_Mask auto ptr to struct MilConfStruct pw_MilConf

function returning int

MilIrqDisable(auto unsigned int j_Mask auto ptr to struct MilConfStruct pw_MilConf)

function MilIrqDisable
parameters auto unsigned int j_Mask auto ptr to struct MilConfStruct pw_MilConf

function returning unsigned int

MilGetIrqStatus(auto ptr to struct MilConfStruct pw_MilConf)

function
MilGetIrqStatus
parameters auto ptr to struct MilConfStruct pw_MilConf

function returning int

MilIrqReset(auto ptr to struct MilConfStruct pw_MilConf)

function MilIrqReset
parameters auto ptr to struct MilConfStruct pw_MilConf

<p>◆ function returning int</p>	<p>MilIrqAutoClear(auto unsigned char d_Selection auto ptr to struct MilConfStruct pw_MilConf)</p>	<p>function MilIrqAutoClear parameters auto unsigned char d_Selection auto ptr to struct MilConfStruct pw_MilConf</p>
<p>◆ function returning int</p>	<p>MilIrqType(auto unsigned char d_Selection auto ptr to struct MilConfStruct pw_MilConf)</p>	<p>function MilIrqType parameters auto unsigned char d_Selection auto ptr to struct MilConfStruct pw_MilConf</p>

► Implementation Details

File
MilIrq.c

Last Modified
13/06/2006

● Module Milmem.c Overview

◆ Functions

<p>◆ function returning int</p>	<p>MilInitBlockList(auto ptr to struct MilConfStruct pw_MilConf)</p>	<p>function MilInitBlockList parameters auto ptr to struct MilConfStruct pw_MilConf</p>
<p>◆ function returning int</p>	<p>MemBlockRemove(auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct MemBlockStruct pw_Tp)</p>	<p>function MemBlockRemove parameters auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct MemBlockStruct pw_Tp</p>
<p>◆ function returning int</p>	<p>MilReleaseHandle(auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct MemBlockStruct pw_Tp)</p>	<p>function MilReleaseHandle parameters auto ptr to struct MilConfStruct pw_MilConf</p>



		auto ptr to struct MemBlockStruct pw_Tp
<ul style="list-style-type: none"> function returning ptr to struct MemBlockStruct 	CreateProtectedMemBlock (auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct MemBlockStruct pw_Area auto unsigned long int m_Addr auto unsigned int j_Size)	function CreateProtectedMemBlock parameters auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct MemBlockStruct pw_Area auto unsigned long int m_Addr auto unsigned int j_Size
<ul style="list-style-type: none"> function returning ptr to struct MemBlockStruct 	MilFindSpace (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Size auto unsigned int j_Boundary)	function MilFindSpace parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Size auto unsigned int j_Boundary
<ul style="list-style-type: none"> function returning ptr to struct MemBlockStruct 	CreateMemBlockHandle (auto ptr to struct MilConfStruct pw_MilConf)	function CreateMemBlockHandle parameters auto ptr to struct MilConfStruct pw_MilConf
<ul style="list-style-type: none"> function returning ptr to struct MemBlockStruct 	MilAllocHandleBoundary (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Size auto unsigned int j_Boundary)	function MilAllocHandleBoundary parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Size auto unsigned int j_Boundary
<ul style="list-style-type: none"> function returning ptr to struct MemBlockStruct 	CreatePermanentMemBlock (auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct MemBlockStruct pw_Area auto unsigned long int m_Addr auto unsigned int j_Size)	function CreatePermanentMemBlock parameters auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct MemBlockStruct pw_Area



function returning int

MilReadBlk(auto ptr to struct MemBlockStruct pw_BlockHdl auto ptr to struct MilConfStruct pw_MilConf auto ptr to unsigned int pj_DataPtr auto unsigned int j_Size)

auto unsigned long int
m_Addr
auto unsigned int j_Size

function MilReadBlk
parameters auto ptr to struct MemBlockStruct
pw_BlockHdl
auto ptr to struct MilConfStruct
pw_MilConf
auto ptr to unsigned int
pj_DataPtr
auto unsigned int j_Size

function returning int

MemBlockInsert(auto ptr to struct MemBlockStruct pw_Blkc auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct MemBlockStruct pw_Area)

function
MemBlockInsert
parameters auto ptr to struct MemBlockStruct pw_Blkc auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct MemBlockStruct pw_Area

function returning int

MilWriteBlk(auto ptr to struct MemBlockStruct pw_BlockHdl auto ptr to struct MilConfStruct pw_MilConf auto ptr to unsigned int pj_DataPtr auto unsigned int j_Size)

function MilWriteBlk
parameters auto ptr to struct MemBlockStruct
pw_BlockHdl
auto ptr to struct MilConfStruct
pw_MilConf
auto ptr to unsigned int
pj_DataPtr
auto unsigned int j_Size

function returning ptr to struct MemBlockStruct

MilAllocateOnBoard(auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct MemBlockStruct pw_Area auto unsigned int j_Size)

function
MilAllocateOnBoard
parameters auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct MemBlockStruct pw_Area
auto unsigned int j_Size

function returning int

MilCloseBlockList(auto ptr to struct MilConfStruct pw_MilConf)

function
MilCloseBlockList
parameters auto ptr to struct

		MilConfStruct pw_MilConf
<ul style="list-style-type: none"> function returning int 	SwapMemBlocks (auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct MemBlockStruct pw_Tp auto ptr to struct MemBlockStruct pw_Tq)	function SwapMemBlocks parameters auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct MemBlockStruct pw_Tp auto ptr to struct MemBlockStruct pw_Tq
<ul style="list-style-type: none"> function returning ptr to struct MemBlockStruct 	MilAllocHandle (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Size)	function MilAllocHandle parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Size
<ul style="list-style-type: none"> function returning int 	MilClearBlockList (auto ptr to struct MilConfStruct pw_MilConf)	function MilClearBlockList parameters auto ptr to struct MilConfStruct pw_MilConf

► Implementation Details

File
Milmem.c

Last Modified
13/06/2006

● Module MilRt.c Overview

◆ Variables

<ul style="list-style-type: none"> array of struct ConfigDDCMemStruct 	saw_ConfigDDCMem
<ul style="list-style-type: none"> array of struct Frame 	spw_TxFrameID
<ul style="list-style-type: none"> library array of struct RxMsgPointerStruct 	gbv_RxMessages
<ul style="list-style-type: none"> array of struct Frame 	spw_RxFrameID
<ul style="list-style-type: none"> library array of struct 	gbv_TxMessages

RxMsgPointerStruct

◆ Functions

◆ function returning int	MilRTIrqMsgSaEnable (auto unsigned char d_t_r auto unsigned int j_SubAddr auto unsigned char d_Selection auto ptr to struct MilConfStruct pw_MilConf)	function MilRTIrqMsgSaEnable parameters auto unsigned char d_t_r auto unsigned int j_SubAddr auto unsigned char d_Selection auto ptr to struct MilConfStruct pw_MilConf
◆ function returning int	MilRTWriteEnhMCD ata (auto unsigned int j_Data auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Addr)	function MilRTWriteEnhMCDat a parameters auto unsigned int j_Data auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Addr
◆ function returning ptr to struct MemBlockStruct	MilRTAllocBlk (auto ptr to struct MilConfStruct pw_MilConf auto unsigned char d_BlkJType)	function MilRTAllocBlk parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned char d_BlkJType
◆ function returning int	MilRTModeIrqEnable e (auto unsigned char d_Data auto unsigned char d_t_r auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Map auto unsigned int j_Broadcast)	function MilRTModeIrqEnable parameters auto unsigned char d_Data auto unsigned char d_t_r auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Map auto unsigned int j_Broadcast
◆ function returning int	MilRTFrameWrite (auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct Frame pw_FrameID auto ptr to	function MilRTFrameWrite parameters auto ptr to struct



	unsigned int pj_Buffer)	MilConfStruct pw_MilConf auto ptr to struct Frame pw_FrameID auto ptr to unsigned int pj_Buffer
◆ function returning unsigned long int	MilRTMapBlk (auto unsigned int j_Offset auto ptr to struct MemBlockStruct pw_BlockHdl auto unsigned int j_SubAddr auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_t_r)	function MilRTMapBlk parameters auto unsigned int j_Offset auto ptr to struct MemBlockStruct pw_BlockHdl auto unsigned int j_SubAddr auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_t_r
◆ function returning int	MilRTExtBITWord (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection)	function MilRTExtBITWord parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection
◆ function returning int	MilRTBitInhibit (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection)	function MilRTBitInhibit parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection
◆ function returning unsigned char	MilReadParityBit (auto ptr to struct MilConfStruct pw_MilConf)	function MilReadParityBit parameters auto ptr to struct MilConfStruct pw_MilConf
◆ function returning int	MilRTFlagWrap (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection)	function MilRTFlagWrap parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection
◆ function returning int	MilRTSeparateBest (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection)	function MilRTSeparateBest parameters auto ptr to struct



		MilConfStruct pw_MilConf auto unsigned int j_Selection
◆ function returning int	MilRTAltStatusEna (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection)	function MilRTAltStatusEna parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection
◆ function returning int	MilRTBusyValid (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection)	function MilRTBusyValid parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection
◆ function returning unsigned char	MilRTAddress (auto ptr to struct MilConfStruct pw_MilConf)	function MilRTAddress parameters auto ptr to struct MilConfStruct pw_MilConf
◆ function returning unsigned char	MilRTMsgOK (auto ptr to struct MsgStruct pw_Message auto ptr to struct MilConfStruct pw_MilConf)	function MilRTMsgOK parameters auto ptr to struct MsgStruct pw_Message auto ptr to struct MilConfStruct pw_MilConf
◆ function returning int	MilRTBusyBitDisable (auto unsigned char d_Sa auto unsigned char d_t_r auto ptr to struct MilConfStruct pw_MilConf auto unsigned char d_Broadcast)	function MilRTBusyBitDisable parameters auto unsigned char d_Sa auto unsigned char d_t_r auto ptr to struct MilConfStruct pw_MilConf auto unsigned char d_Broadcast
◆ function returning int	MilRTAddMsgtoFrame me (auto unsigned int j_Sa auto unsigned char d_t_r auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct Frame pw_FrameID auto unsigned int j_Words)	function MilRTAddMsgtoFrame parameters auto unsigned int j_Sa auto unsigned char d_t_r auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct Frame



		pw_FrameID auto unsigned int j_Words
◆ function returning int	MilRTReadSingleMsg (auto unsigned int j_Sa auto ptr to struct MilConfStruct pw_MilConf auto ptr to unsigned int pj_Buffer auto unsigned int j_WordCount)	function MilRTReadSingleMsg parameters auto unsigned int j_Sa auto ptr to struct MilConfStruct pw_MilConf auto ptr to unsigned int pj_Buffer auto unsigned int j_WordCount
◆ function returning int	MilRTRun (auto ptr to struct MilConfStruct pw_MilConf)	function MilRTRun parameters auto ptr to struct MilConfStruct pw_MilConf
◆ function returning int	MilRTBrdest (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection)	function MilRTBrdest parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection
◆ function returning int	MilRTDefMsgLegal (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Subaddr auto unsigned int j_MessType auto unsigned int j_Wc)	function MilRTDefMsgLegal parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Subaddr auto unsigned int j_MessType auto unsigned int j_Wc
◆ function returning ptr to struct Frame	MilRTCFrame (auto ptr to struct MilConfStruct pw_MilConf)	function MilRTCFrame parameters auto ptr to struct MilConfStruct pw_MilConf
◆ function returning struct <unnamed>	Word2Sacw (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Word)	function Word2Sacw parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Word



◆ function returning int	MilRTFlag (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection)	function MilRTFlag parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection
◆ function returning int	MilRTBusyBitEnable (auto unsigned char d_Sa auto unsigned char d_t_r auto ptr to struct MilConfStruct pw_MilConf auto unsigned char d_Broadcast)	function MilRTBusyBitEnable parameters auto unsigned char d_Sa auto unsigned char d_t_r auto ptr to struct MilConfStruct pw_MilConf auto unsigned char d_Broadcast
◆ function returning int	MilRTOpen (auto ptr to struct MilConfStruct pw_MilConf)	function MilRTOpen parameters auto ptr to struct MilConfStruct pw_MilConf
◆ function returning unsigned int	MilRTReadEnhMCData (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Addr)	function MilRTReadEnhMCDat a parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Addr
◆ function returning int	MilRTWriteSingleMsg (auto unsigned int j_Sa auto ptr to struct MilConfStruct pw_MilConf auto ptr to unsigned int pj_Buffer auto unsigned int j_WordCount)	function MilRTWriteSingleMsg parameters auto unsigned int j_Sa auto ptr to struct MilConfStruct pw_MilConf auto ptr to unsigned int pj_Buffer auto unsigned int j_WordCount
◆ function returning int	MilRTEnhMM (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection)	function MilRTEnhMM parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection
◆ function returning	MilRTBITRead (auto ptr	function

unsigned int	to struct MilConfStruct pw_MilConf)	MilRTBITRead parameters auto ptr to struct MilConfStruct pw_MilConf
function returning int	MilRTSetBusy (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection)	function MilRTSetBusy parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection
function returning int	MilRTReadMsg (auto unsigned int j_MessageNum auto ptr to struct MsgStruct pw_Message auto ptr to struct MilConfStruct pw_MilConf)	function MilRTReadMsg parameters auto unsigned int j_MessageNum auto ptr to struct MsgStruct pw_Message auto ptr to struct MilConfStruct pw_MilConf
function returning int	MilRTFreeBlk (auto ptr to struct MemBlockStruct pw_BlockHdl auto ptr to struct MilConfStruct pw_MilConf)	function MilRTFreeBlk parameters auto ptr to struct MemBlockStruct pw_BlockHdl auto ptr to struct MilConfStruct pw_MilConf
function returning int	MilRTIrqMsgSaDisab le (auto unsigned char d_t_r auto unsigned int j_SubAddr auto unsigned char d_Selection auto ptr to struct MilConfStruct pw_MilConf)	function MilRTIrqMsgSaDisabl e parameters auto unsigned char d_t_r auto unsigned int j_SubAddr auto unsigned char d_Selection auto ptr to struct MilConfStruct pw_MilConf
function returning int	MilRTSetSvcReq (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection)	function MilRTSetSvcReq parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection
function returning	MilRTAltStatusRead (function

<p>unsigned int</p>	<p>auto ptr to struct MilConfStruct pw_MilConf)</p>	<p>MilRTAltStatusRead parameters auto ptr to struct MilConfStruct pw_MilConf</p>
<p>function returning int</p>	<p>MilRTModeCode(auto unsigned int j_Enhanced auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_OverRideEnable)</p>	<p>function MilRTModeCode parameters auto unsigned int j_Enhanced auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_OverRideEnable</p>
<p>function returning int</p>	<p>MilRTEnhModeCode(auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection)</p>	<p>function MilRTEnhModeCode parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection</p>
<p>function returning int</p>	<p>MilRTDeleteFrame(auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct Frame pw_FrameID)</p>	<p>function MilRTDeleteFrame parameters auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct Frame pw_FrameID</p>
<p>function returning void</p>	<p>MilRTStop(auto ptr to struct MilConfStruct pw_MilConf)</p>	<p>function MilRTStop parameters auto ptr to struct MilConfStruct pw_MilConf</p>
<p>function returning int</p>	<p>MilRTDeleteSingleMsg g(auto unsigned int j_Sa auto unsigned char d_t_r auto ptr to struct MilConfStruct pw_MilConf)</p>	<p>function MilRTDeleteSingleMsg parameters auto unsigned int j_Sa auto unsigned char d_t_r auto ptr to struct MilConfStruct pw_MilConf</p>
<p>function returning int</p>	<p>MilRTDefMsgIllegal(auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Subaddr auto unsigned int j_MessType auto unsigned int</p>	<p>function MilRTDefMsgIllegal parameters auto ptr to struct MilConfStruct pw_MilConf</p>



	<code>j_Wc)</code>		auto unsigned int <code>j_Subaddr</code> auto unsigned int <code>j_MessType</code> auto unsigned int <code>j_Wc</code>
◆ function returning int	MilRTConfigMemory (auto ptr to struct MilConfStruct <code>pw_MilConf</code>)	function MilRTConfigMemory parameters auto ptr to struct MilConfStruct <code>pw_MilConf</code>	
◆ function returning int	MilRTFrameRead (auto ptr to struct MilConfStruct <code>pw_MilConf</code> auto ptr to struct Frame <code>pw_FrameID</code> auto ptr to unsigned int <code>pj_Buffer</code>)	function MilRTFrameRead parameters auto ptr to struct MilConfStruct <code>pw_MilConf</code> auto ptr to struct Frame <code>pw_FrameID</code> auto ptr to unsigned int <code>pj_Buffer</code>	
◆ function returning int	MilRTCCreateSingleM sg (auto unsigned int <code>j_Sa</code> auto unsigned char <code>d_t_r</code> auto ptr to struct MilConfStruct <code>pw_MilConf</code> auto unsigned int <code>j_Words</code>)	function MilRTCCreateSingleMsg parameters auto unsigned int <code>j_Sa</code> auto unsigned char <code>d_t_r</code> auto ptr to struct MilConfStruct <code>pw_MilConf</code> auto unsigned int <code>j_Words</code>	
◆ function returning int	MilRTReadInactive (auto ptr to struct MemBlockStruct <code>pw_BlockHdl</code> auto ptr to struct MilConfStruct <code>pw_MilConf</code> auto ptr to unsigned int <code>pw_Buffer</code>)	function MilRTReadInactive parameters auto ptr to struct MemBlockStruct <code>pw_BlockHdl</code> auto ptr to struct MilConfStruct <code>pw_MilConf</code> auto ptr to unsigned int <code>pw_Buffer</code>	
◆ function returning int	MilRTextBITWrite (auto ptr to struct MilConfStruct <code>pw_MilConf</code> auto unsigned int <code>j_Map</code>)	function MilRTextBITWrite parameters auto ptr to struct MilConfStruct <code>pw_MilConf</code> auto unsigned int <code>j_Map</code>	



◆ function returning unsigned int	Sacw2Word (auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct <unnamed> pw_Sacw)	function Sacw2Word parameters auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct <unnamed> pw_Sacw
◆ function returning int	MilRTSetSSflag (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection)	function MilRTSetSSflag parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection
◆ function returning int	MilRTBusyTableEna (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection)	function MilRTBusyTableEna parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection
◆ function returning int	MilRTAltStat (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection)	function MilRTAltStat parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection
◆ function returning int	MilRTSetDbas (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection)	function MilRTSetDbas parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection
◆ function returning int	MilRTModeIrqDisable e (auto unsigned char d_Data auto unsigned char d_t_r auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Map auto unsigned char d_Broadcast)	function MilRTModeIrqDisable parameters auto unsigned char d_Data auto unsigned char d_t_r auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Map auto unsigned char d_Broadcast
◆ function returning int	MilRTDeleteMsgStructure (auto ptr to struct	function MilRTDeleteMsgStructure



	MilConfStruct pw_MilConf auto ptr to struct RxMsgPointerStruct bw_VectorMsg)	parameters auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct RxMsgPointerStruct bw_VectorMsg
◆ function returning int	MilRTDefSA (auto unsigned int j_SubAddr auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct <unnamed> pw_Sacw)	function MilRTDefSA parameters auto unsigned int j_SubAddr auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct <unnamed> pw_Sacw
◆ function returning int	MilRTCclose (auto ptr to struct MilConfStruct pw_MilConf)	function MilRTCclose parameters auto ptr to struct MilConfStruct pw_MilConf
◆ function returning int	MilRTIllegal (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection)	function MilRTIllegal parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection
◆ function returning int	MilRTMsgErrValid (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection)	function MilRTMsgErrValid parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Selection
◆ function returning int	MilRTAltStatusWrite (auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Map)	function MilRTAltStatusWrite parameters auto ptr to struct MilConfStruct pw_MilConf auto unsigned int j_Map
◆ function returning int	MilRTCreateMsgStru ct (auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct RxMsgPointerStruct bw_VectorMsg)	function MilRTCreateMsgStruct parameters auto ptr to struct MilConfStruct pw_MilConf auto ptr to struct RxMsgPointerStruct bw_VectorMsg

► Implementation Details

File
MilRt.c

Last Modified
13/06/2006

● Module NODE1.c Overview

◆ Variables

◆ int	tickunit
◆ array of ptr to int	RouteInd
◆ int	K_PoolCount
◆ unsigned int	K_PrioCeiling
◆ unsigned int	K_DriverPrio
◆ int	K_TimerNall
◆ int	K_PrioCount
◆ int	K_ArgsNall
◆ int	K_StackSize
◆ int	K_QueCount
◆ int	K_TaskCount
◆ int	K_DataSize
◆ int	K_ResCount
◆ int	K_NodeCount
◆ int	K_MapCount
◆ unsigned int	K_ThisNode
◆ int	K_DataNall
◆ int	ticktime
◆ int	K_MbxCount
◆ int	K_SemCount
◆ unsigned int	K_KernelPrio
◆ int	K_max_eventnr

◆ Functions

◆ function returning void	init_drivers(void)	function init_drivers parameters none
◆ function returning void	init_node(void)	function init_node parameters none
◆ function returning int	main(void)	function main

parameters none

► Implementation Details

File

NODE1.c

Last Modified

03/03/2007

● Module T1_INIT.c Overview

● Variables

◆ array of struct TM_entry	Pool_HK_packets
◆ library int	RTAddress
◆ array of unsigned int	Dpu_values
◆ array of struct TM_entry	Pool_SC_packets
◆ array of unsigned int	Task_index
◆ array of struct TM_EVentry	Pool_EV_packets
◆ library array of unsigned int	Func_data
◆ library int	Current_time

◆ Functions

◆ function returning void	Francesco(void)	function Francesco parameters none
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► Implementation Details

File

T1_INIT.c

Last Modified

28/04/2009

● Module T2TMTCIF.c Overview

● Variables

- ◆ library array of struct TM_entry **Pool_HK_packets**
- ◆ library unsigned int **T4_running**
- ◆ library array of unsigned int **Dpu_values**
- ◆ library array of struct TM_entry **Pool_SC_packets**
- ◆ library array of unsigned int **Task_index**
- ◆ static array of unsigned int **APid_counters**
- ◆ library array of struct TM_EVentry **Pool_EV_packets**

◆ Functions

- ◆ function returning void **prepare_packet**(auto ptr to unsigned int cBuffer) function prepare_packet parameters auto ptr to unsigned int cBuffer
- ◆ function returning void **drop_packet**(void) function drop_packet parameters none
- ◆ function returning void **thoth**(void) function thoth parameters none

▶ Implementation Details

File
T2TMTCIF.c

Last Modified
28/08/2007

● Module T3IRQ1SV.c Overview

◆ Variables

- ◆ library array of unsigned int **Spl_values**
- ◆ library array of unsigned int **Dec_values**
- ◆ library ptr to struct **p_DEC_1355**



channel	
◆ library ptr to struct channel	p_SPL_1355
◆ unsigned int	Save_int_EPR1
◆ unsigned int	Save_int_EPR2
◆ unsigned int	Save_int_EPR3
◆ library array of unsigned int	Dpu_values
◆ unsigned int	Save_int_EPS1
◆ unsigned int	Save_int_EPS2
◆ unsigned int	Save_int_EPS3
◆ library ptr to struct channel	p_SPS_1355
◆ unsigned int	Save_chksum_T3
◆ library array of unsigned int	Param_for_AF
◆ library array of unsigned int	Sps_values
◆ unsigned int	Save_int_ERR1
◆ unsigned int	Save_int_ERR2
◆ unsigned int	Save_int_ERR3

◆ **Functions**

◆ function returning void	process_SPL_packet(void)	function process_SPL_packet parameters none
◆ function returning void	process_DEC_packet(void)	function process_DEC_packet parameters none
◆ function returning void	Ginevra(void)	function Ginevra parameters none
◆ function returning void	process_SPS_packet(void)	function process_SPS_packet parameters none

► **Implementation Details**

File
T3IRQ1SV.c

Last Modified
03/03/2007

● Module T4CNTRLR.c Overview

◆ Variables

◆ unsigned int	T4_running
◆ library array of unsigned int	Dpu_time
◆ library unsigned int	Counter_1_8

◆ Functions

◆ function returning void	Iside(void)	function Iside parameters none
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▶ Implementation Details

File
T4CNTRLR.c

Last Modified
03/03/2007

● Module T5_HKMON.c Overview

◆ Variables

◆ library array of ptr to function returning void	p_FUNC
◆ static struct TM_packet	TM_hk_extra
◆ library array of unsigned int	Spl_values
◆ library array of unsigned int	Dec_values
◆ library int	RTAddress
◆ library unsigned int	NewCellToCheck
◆ static unsigned int	LAst_offset
◆ library array of unsigned int	Dpu_values
◆ library ptr to struct MilConfStruct	MilRTConf
◆ static unsigned int	INdex
◆ library array of struct	Dpu_hk

◆ HK_def	
◆ library array of unsigned int	Task_index
◆ library array of unsigned int	Tm_packet_enabled
◆ library array of struct HK_def	Sps_hk
◆ library volatile unsigned int	Burst_active
◆ static unsigned int	MMode_id
◆ library array of struct HK_def	Spl_hk
◆ library array of unsigned int	Buffer_Of_Fault_Address
◆ library unsigned int	Save_chksum_T3
◆ library array of unsigned int	Param_for_AF
◆ unsigned int	Save_chksum_T5
◆ static unsigned int	FRee_bit
◆ library unsigned int	Counter_1_2
◆ library array of unsigned int	Proc_ID_and_TC_header
◆ library unsigned int	Counter_1_8
◆ static struct TM_packet	TM_hk
◆ library array of struct HK_def	Dec_hk
◆ library array of unsigned int	Sps_values
◆ static unsigned int	LAst_address

◆ Functions

◆ function returning void	HK_pack (auto ptr to unsigned int p_values auto int subsystem auto int sel_array)	function HK_pack parameters auto ptr to unsigned int p_values auto int subsystem auto int sel_array
◆ function returning void	ma_cgig (void)	function ma_cgig parameters none
◆ function returning unsigned int	cpy_HK_values (auto ptr to unsigned int local_values auto unsigned int subsystem)	function cpy_HK_values



parameters auto ptr to
unsigned int local_values
auto unsigned int subsystem

► Implementation Details

File

T5_HKMON.c

Last Modified

28/04/2009

● Module T6_MECRX.c Overview

◆ Variables

- ◆ library ptr to struct channel **p_DEC_1355**
- ◆ library array of unsigned int **Tm_packet_enabled**
- ◆ library volatile unsigned int **Burst_active**

◆ Functions

- ◆ function returning void **mumon(void)** function mumon
parameters none

► Implementation Details

File

T6_MECRX.c

Last Modified

14/06/2006

● Module T7_SPSRX.c Overview

◆ Variables

- ◆ library array of unsigned int **Tm_packet_enabled**

◆ library volatile unsigned int	Burst_active	
◆ library ptr to struct channel	p_SPS_1355	
◆ library array of unsigned int	Sps_values	

◆ **Functions**

◆ function returning void	Hunahpu(void)	function Hunahpu parameters none
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▶ **Implementation Details**

File
T7_SPSRX.c

Last Modified
03/03/2007

● **Module T8_SPLRX.c Overview**

◆ **Variables**

◆ library array of unsigned int	Spl_values	
◆ library ptr to struct channel	p_SPL_1355	
◆ library array of unsigned int	Tm_packet_enabled	
◆ library volatile unsigned int	Burst_active	

◆ **Functions**

◆ function returning void	Ixbalamque(void)	function Ixbalamque parameters none
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▶ **Implementation Details**

File
T8_SPLRX.c

Last Modified
03/03/2007

● Module T9_OBCP.c Overview

◆ Variables

◆ array of struct OBCP_param	Obcp_data
◆ array of ptr to function returning void	p_FUNC
◆ library array of unsigned int	Dec_values
◆ array of unsigned int	Obcp_data_current
◆ array of ptr to function returning void	p_OBCP
◆ array of unsigned int	Func_data
◆ library unsigned int	Abort_OBCP
◆ struct time_struct	Time_of_dpu
◆ library array of unsigned int	Dpu_values
◆ library array of unsigned int	Task_index
◆ array of unsigned int	Buffer_for_1355_tx
◆ library array of unsigned int	Seq_length
◆ array of unsigned int	Param_for_AF
◆ library array of unsigned int	Seq_buffer
◆ array of unsigned int	Proc_ID_and_TC_header
◆ library unsigned int	Counter_1_8

◆ Functions

◆ function returning void	DPU_wait (auto unsigned int time_to_wait)	function DPU_wait parameters auto unsigned int time_to_wait
◆ function returning void	answered_prayers (void)	function answered_prayers parameters none
◆ function returning unsigned int	write_seq (auto unsigned int seq_id)	function write_seq parameters auto unsigned int seq_id

► Implementation Details

File

T9_OBCP.c

Last Modified

28/04/2009

● Module util1553.c Overview

◆ Functions

◆ function returning void	miaMilSaWrite (auto ptr to unsigned int <code>pj_Ptr</code> auto unsigned int <code>j_Length</code> auto ptr to unsigned int <code>j_Offset</code> auto ptr to struct MemBlockStruct <code>pw_BlockHdl</code> auto ptr to struct MilConfStruct <code>pw_MilConf</code>)	function <code>miaMilSaWrite</code> parameters auto ptr to unsigned int <code>pj_Ptr</code> auto unsigned int <code>j_Length</code> auto ptr to unsigned int <code>j_Offset</code> auto ptr to struct MemBlockStruct <code>pw_BlockHdl</code> auto ptr to struct MilConfStruct <code>pw_MilConf</code>
◆ function returning void	force_1553_reset (void)	function <code>force_1553_reset</code> parameters none
◆ function returning void	Upload_Packet (auto ptr to int <code>cBuffer</code>)	function <code>Upload_Packet</code> parameters auto ptr to int <code>cBuffer</code>
◆ function returning void	Download_Packet (auto ptr to struct <unnamed> <code>tpacket</code>)	function <code>Download_Packet</code> parameters auto ptr to struct <unnamed> <code>tpacket</code>
◆ function returning void	align_ptr_counter (void)	function <code>align_ptr_counter</code> parameters none



static function returning void
TmRequestGenerator(
auto int n)
function
TmRequestGenerator
parameters auto int n

► Implementation Details

File

util1553.c

Last Modified

03/03/2007



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