

### XML Files Configuration:

Parent	Chile Elements
Aircraft(conf/conf.xml)	Airframe(conf/airframes.xml)
	Radios(conf/radios.xml)
	Telemetry(conf/telemetry.xml)
	Flight_plan(conf/flight_plans.xml)
	Settings(conf/settings.xml)

Parent	Chile Elements	Value	Generates
airframe(conf/airframes.xml)	Firmware	Fixedwing/rotorcrafft	airframe.h
	Modules	ADC/Openlog/Servo Switch	
	Section	Simu/Failsafe/Horizontal_control /Vertical_Control	
	Command_laws	For creating variables based upon rc_commands	
	rc_commands	Value of Commands	
	Commands	Throttle, Roll, Pitch, Shutter	
	Servos		

Parent Element	Child Elements	Value
Firmware(fixedwing)	Subsystem	(Radio/Telemetry/imu/ahrs/gps)
	Target	(ap/sim)

### Makefiles and Configurations

MakeFileName	FirmwareName
firmwareName.makefile	Fixedwing.makefile
	Rotorcraft.makefile

Board Types	MakeFileName	MakeFile Contents
		Board_Name
		Board_Version
		Board_Configuration : configuration.h
		ARCH=stm32 or lpc21xx
		PORTS on Board= Default

SubSystems	MakefileName
Gps,IMU,AHRS,Radio_control,Telemetry,Actuators,Stablization	name.makefile

Example Configuration:

Configutaion	SubSystems			
Board=PC	<b>radio_control_ppm</b>	<b>telemetry_xbee_api</b>	<b>Control</b>	<b>imu_analog</b>
Arch=Sim	subsystem/radio_control.c	subsystems/datalink/downlink.c	\$(SRC_FIRMWARE)/stabilization/stabilization_attitude.c	\$(SRC_SUBSYSTEMS)/imu.c-For LPC-21
Board_Cfg=boards\tiny_sim.h	subsystem/radio_control/ppm.c	subsystems/datalink/xbee.c	\$(SRC_FIRMWARE)/guidance/guidance_v.c	\$(SRC_SUBSYSTEMS)/imu/imu_analog.c-For LPC-21
	src_Arch/radio_control/ppm_arch.c	\$(SRC_FIRMWARE)/datalink.c	"firmwares/fixedwing/guidance/guidance_v.h"	\$(imu_srcs)
	subsystem/radio_control/ppm.h			

AHRS_INFRARED	gps_ublox_utm	Navigation
subsystems/ahrs/ahrs_infrared.h"	Taget ap="subsystems/gps/gps_ubx.h"	\$(SRC_SUBSYSTEMS)/navigation/nav_line.c
\$(SRC_SUBSYSTEMS)/ahrs.c	ap.srscs += \$(SRC_SUBSYSTEMS)/gps/gps_ubx.c	\$(TARGET).srscs += \$(SRC_SUBSYSTEMS)/navigation/nav_survey_rectangle.c
\$(SRC_SUBSYSTEMS)/ahrs/ahrs_infrared.c	\$(TARGET).srscs += \$(SRC_SUBSYSTEMS)/gps.c	\$(TARGET).srscs += \$(SRC_SUBSYSTEMS)/navigation/traffic_info.c
	sim.CFLAGS ="subsystems/gps/gps_sim.h"	\$(TARGET).srscs += \$(SRC_SUBSYSTEMS)/navigation/common_flight_plan.c
	sim.srscs += \$(SRC_SUBSYSTEMS)/gps/gps_sim.c	\$(TARGET).srscs += \$(SRC_SUBSYSTEMS)/nav.c

