

XXBX Software – XBS

XBS User Guide v1.0

Jens-Peter Kaps jkaps@gmu.edu

March 26, 2018 George Mason University Fairfax, Virginia



cryptography.gmu.edu



Contents

1	Intr	oduction	on																		3
2	Bui	Build Environment														4					
	2.1	Build F	Process .																		4
	2.2	Toolcha	ain Integr	ation																	4
		2.2.1	TI MSP4	30 and N	ISP4	432															4
		2.2.2	ST ARM																		4
3	Benchmarking														5						
	3.1	Setup																			5
			Algorithm																		
			Target Se																		
		3.1.3	Compiler	and Lin	ker (Optio	ns .														5
	3.2	Verifica	tion																		5
	3.3	Results																		•	5
4	Res	ults Da	tabase																		6
A Database Table Description													7								

1 Introduction

2 Build Environment

- 2.1 Build Process
- 2.2 Toolchain Integration
- 2.2.1 TI MSP430 and MSP432
- 2.2.2 ST ARM

3 Benchmarking

- 3.1 Setup
- 3.1.1 Algorithm Selection
- 3.1.2 Target Selection
- 3.1.3 Compiler and Linker Options
- 3.2 Verification
- 3.3 Results

4 Results Database

A Database Table Description