

Original

Patched

0x00004114	vmov s15, r7	vmov s15, r7	
0x00004118	vcvt.f64.s32 d7, s15	vcvt.f64.s32 d7, s15	
0x0000411c	vcvt.f64.f32 d0, s0	vcvt.f64.f32 d0, s0	
0x00004120	vcmpe.f64 d7, d0	vcmpe.f64 d7, d0	
0x00004124	vmrs apsr_nzcv, fpscr	b.w 0x3dd38 ← Trampoline	
0x00004128	bgt 0x41b0	nop	
0x0000412a	ldr r3, [0x00004214]	ldr r3, [0x00004214]	

Trampoline (Patched)

0x0003dd38	vmrs apsr_nzcv, fpscr	
0x0003dd3c	push {r0, r1, r2, r3, r4, r5, r6, r7, lr}	
0x0003dd3e	mov r0, sp	
0x0003dd40	bl 0x3dd24 ← Patch Function Call	
0x0003dd44	cmp r0, 0 ← Return Value	
0x0003dd46	beq 0x3dd50	
0x0003dd48	pop.w {r0, r1, r2, r3, r4, r5, r6, r7, lr}	
0x0003dd4c	b.w 0x41b0	
0x0003dd50	pop.w {r0, r1, r2, r3, r4, r5, r6, r7, lr}	
0x0003dd54	b.w 0x4128	