

# ISA Extensions On Deck for Freeze Milestone

**Note:** Follow the LINKS in the header to see the directory with the top sheets, waiver status, and sign-off status. Specification links are in the top sheets.

RatPack Name	Fast Track?	PRIV U/P	Extension Names	Owner	Arch Review	Waivers Status ( <a href="#">LINK</a> )	HC/IC Signoff Status ( <a href="#">LINK</a> )	Top Sheet ( <a href="#">LINK</a> )	Frozen & Out for public Review (Y/N)
Vector	N	U	V, Zvamo, Zvlsseg, Zvediv, Zvqmac, Zve32x, Zve32f, Zve64x, Zve64f, Zve64d, Zvfth, Zve	Krste	Complete	Complete	Complete	Complete	Y
FP in INT regs	N	U	Zfinx	Tariq	Complete	Complete	Complete	Complete	Y
Half Width FP	Y	U	Zfh, Zfhmin	Andrew	Complete	Complete	Complete	Complete	Y
Code Size Reduction	N	U	Zcee	Tariq	deferred	deferred		In Process	N
ePMP	N	P	Smepmp	Nick	Complete	Complete	Complete	Complete	Y
Crypto Scalar	N	U	Zbkb, Zbkc, Zbkx, Zknd, Zkne, Zknh, Zksed, Zksh, Zkn, Zks, Zkt, Zk, Zkr	Ben	Complete	Complete	Complete	Complete	Y
Packed SIMD	N	U	Zpn, Zpsfoperand, Zprvsfextra	Chuanhua	Queued			In Process	N
Priv 1.12	N	P	Sm1-12, Ss1-12	Greg	Complete	Complete	Complete	Complete	Y
CMO base	N	P	Zicbom, Zicbop, Zicboz	DavidK	Queued	Complete	Complete	Complete	Y
hypervisor	N	P	H	JohnH	Complete	Complete	Complete	Complete	Y
state enable	Y	P	Smstateen	JohnH	Complete	Complete	Complete	Complete	Y
time cmp	Y	P	Sstc	Greg	Complete	Complete	Complete	Complete	Y
Count overflow & Filtering	Y	P	Sscofmpf	Greg	Complete	Complete	Complete	Complete	Y
Resumable Non-maskable Interrupts	Y	P	Smrnmri	Krste /Greg	In Process			In Process	N
Fast TLB invalidation	N	P	Svinval	Dan	Complete	Complete	Complete	Complete	Y
NAPOT pages	N	P	Svnapot	Dan	Complete	Complete	Complete	Complete	Y
Page-based memory types	N	P	Svpbmt	Dan	Complete	Complete	Complete	Complete	Y
Zmmul	Y	U	Zmmul	Allen	Queued				N
Pointer masking	N	P	Zjpm	Martin	Queued			In Process	N