F.7.3.4.1 Slice data in scalable extension syntax

	C	Descriptor
slice_data_in_scalable_extension( ) {		
if(entropy_coding_mode_flag)		
while(!byte_aligned( ))		
cabac_alignment_one_bit	2	f(1)
CurrMbAddr = first_mb_in_slice * (1 + MbaffFrameFlag)		
moreDataFlag = 1		
prevMbSkipped = 0		
do {		
if(slice_type != EI)		
if(!entropy_coding_mode_flag) {		
mb_skip_run	2	ue(v)
prevMbSkipped = (mb_skip_run > 0)		
for(i = 0; i < mb_skip_run; i++)		
CurrMbAddr = NextMbAddress(CurrMbAddr)		
if(mb_skip_run > 0)		
moreDataFlag = more_rbsp_data( )		
} else {		
mb_skip_flag	2	ae(v)
moreDataFlag = !mb_skip_flag		
}		
if(moreDataFlag) {		
if(MbaffFrameFlag && ((CurrMbAddr % 2) == 0 || ((CurrMbAddr % 2) == 1 && prevMbSkipped)))		
mb_field_decoding_flag	2	u(1) | ae(v)
macroblock_layer_in_scalable_extension( )	2 | 3 | 4	
}		
if(!entropy_coding_mode_flag)		
moreDataFlag = more_rbsp_data( )		
else {		
if(slice_type != EI)		
prevMbSkipped = mb_skip_flag		
if(MbaffFrameFlag && (CurrMbAddr % 2) == 0)		
moreDataFlag = 1		
else {		
end_of_slice_flag	2	ae(v)
moreDataFlag = !end_of_slice_flag		
}		
}		
CurrMbAddr = NextMbAddress(CurrMbAddr)		
} while(moreDataFlag)		
}		

Annotations:
- Loop to parse all macroblocks in the slice data
- Information essential for decoder
- are macroblock(s) skipped?
- Macroblock data
- end of slice?