

AMHS Workshop 2023

EXAMPLE ENCODING

The octet-level representation of the example (Personnel Record) is presented below. Tag, length, and content values are displayed in hexadecimal.

Personnel

Record *Length* *Contents*
 60 8185

Name	<i>Length</i>	<i>Contents</i>
61	10	
	<i>IA5 String</i>	<i>Length</i> <i>Contents</i>
	16	04 4A 6F 68 6E -- "John"
	<i>IA5 String</i>	<i>Length</i> <i>Contents</i>
	16	01 50 -- "P"
	<i>IA5 String</i>	<i>Length</i> <i>Contents</i>
	16	04 53 6D 69 74 68 -- "Smith"

Title	<i>Length</i>	<i>Contents</i>
A0	0A	
	<i>IA5 String</i>	<i>Length</i> <i>Contents</i>
	16	08 44 69 72 65 63 74 6F 72 -- "Director"

Employee

Number *Length* *Contents*
 42 01 33

Date of

Hire *Length* *Contents*
 A1 0A

Date	<i>Length</i>	<i>Contents</i>
43	08	31 39 37 31 30 39 31 37 -- "19710917"

Name of

Spouse *Length* *Contents*
 A2 12

<i>Set</i>	<i>Length</i>	<i>Contents</i>
31	1F	
	<i>IA5 String</i>	<i>Length</i> <i>Contents</i>
	16	04 4D 61 72 79 -- "Mary"
	<i>IA5 String</i>	<i>Length</i> <i>Contents</i>
	16	01 54 -- "T"
	<i>IA5 String</i>	<i>Length</i> <i>Contents</i>
	16	04 53 6D 69 74 68 -- "Smith"

[3]	<i>Length</i>	<i>Contents</i>						
A3	42							
	Set	<i>Length</i>	<i>Contents</i>					
	31	1F						
		Name	<i>Length</i>	<i>Contents</i>				
		61	11					
				IA5 String	<i>Length</i>	<i>Contents</i>		
				16	05	52 61 6C 70 68	--	"Ralph"
				IA5 String	<i>Length</i>	<i>Contents</i>		
				16	01	54	--	"T"
				IA5 String	<i>Length</i>	<i>Contents</i>		
				16	05	53 6D 69 74 68	--	"Smith"
		Date of Birth	<i>Length</i>	<i>Contents</i>				
		A0	0A					
				Date	<i>Length</i>	<i>Contents</i>		
				43	08	31 39 35 37 31 31 31 31 31	--	"19571111"

	Set	<i>Length</i>	<i>Contents</i>					
	31	1F						
		Name	<i>Length</i>	<i>Contents</i>				
		61	11					
				IA5 String	<i>Length</i>	<i>Contents</i>		
				16	05	53 75 73 61 6E	--	"Susan"
				IA5 String	<i>Length</i>	<i>Contents</i>		
				16	01	42	--	"B"
				IA5 String	<i>Length</i>	<i>Contents</i>		
				16	05	4A 6F 6E 65 73	--	"Jones"
		Date of Birth	<i>Length</i>	<i>Contents</i>				
		A0	0A					
				Date	<i>Length</i>	<i>Contents</i>		
				43	08	31 39 35 39 30 37 31 37	--	"19590717"