

# IMIX Genome

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# Additional Tests with Variable Packet Sizes

- ◆ Fixed Packet/Frame Size tests are currently required in RFC 2544, etc.
- ◆ IF variable size testing is needed,
  - Fully Specified
  - Repeatability? How Important?
  - Generally Specified if repeating sequence is too long for human comprehension (fraction, or number of frames@size for each size)

# Scope and Spec

- ◆ Exact Sequence specification method
- ◆ No Standard IMIX!!!
- ◆ IMIX-aaafg has:  
64,64,64,1280,1518
- ◆ Also, frequency of a size

Size, bytes	Code Letter
64	a
128	b
256	c
512	d
1024	e
1280	f
1518	g
MTU	h

# New Run-Length Coding

- ◆ Suggested by Ilya Varlashkin
- ◆ When a sequence can be decomposed into a series of short repeating sequences, then a run-length encoding approach MAY be used

Count of Repeating Sequences	Packet Size Sequence
20	abcd
5	ggga
10	dcba
...	...

# Earlier Feedback

- ◆ Draft is useful, MTU size is useful
- ◆ Previously Added Specification of fully Custom IMIX with sequence
- ◆ Tester can specify IMIX Genome between any two entities in test
  - Example with Blade configuration added
- ◆ Jumbo Frame sizes added, with note about FCS issues
- ◆ WG Last Call?