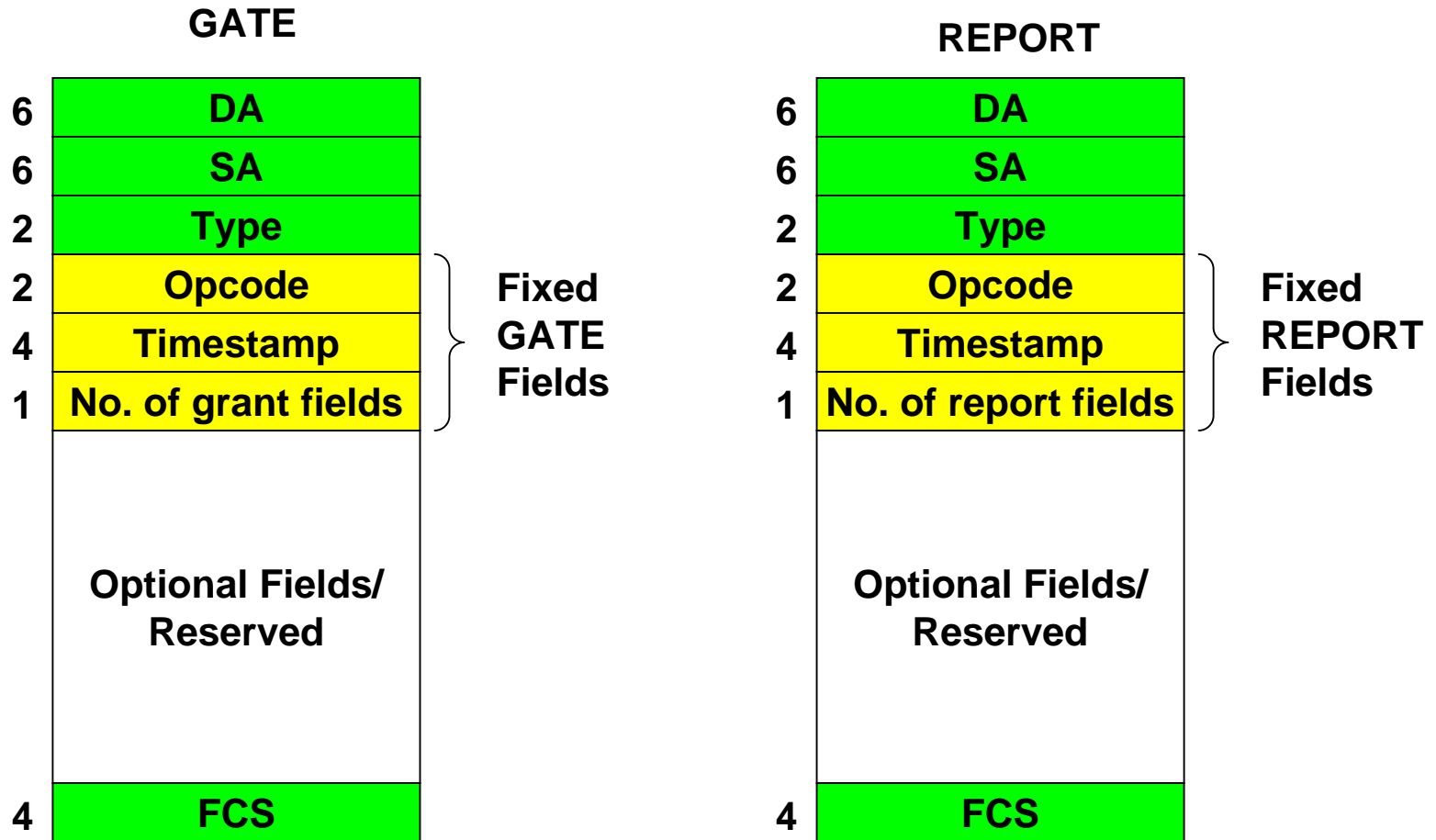


MPCP Message Format (additional comment for kramer's one)

Su-il Choi, ETRI

Fixed Fields



- One or multiple grants/reports are possible
- One or several types of grants/reports are possible

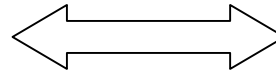
Examples of Well-known Optional Fields

GATE

REPORT

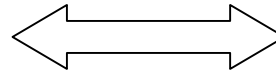
1	Field Code = 01
4	Grant Start Time
2	Grant Length

Discovery Gate



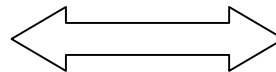
1	Field Code = 02
4	Grant Start Time
2	Grant Length

Grant without Report/
Static Bandwidth Allocation/
Bandwidth for TDM traffic



1	Field Code = 03
4	Grant Start Time
2	Grant Length

Grant represent
total bandwidth



1	Field Code = 03
2	Queue Length

Report contains total
queue length

A pair of GATE and REPRT
have same Field code

Examples of Well-known Optional Fields

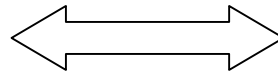
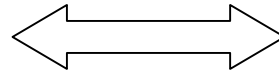
GATE

1	Field Code = 04
1	Bitmap
4	Grant Start Time
0/2	Length #0
0/2	Length #1
0/2	...
0/2	Length #7

Grant per Queue

1	Field Code = 05
1	Bitmap
2	Threshold Value

Set/Reset Threshold
Per Queue



REPORT

1	Field Code = 04
1	Bitmap
0/2	Length #0
0/2	Length #1
0/2	...
0/2	Length #7

Queue Length for the
queues

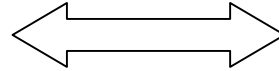
1	Field Code = 05
1	Bitmap
0/2	Length #0
0/2	Length #1
0/2	...
0/2	Length #7

Queue Length under
Threshold

Example of Vendor Specific Optional Fields

GATE

1	Field Code = 128
4	Grant Start Time
2	Grant Length #1
2	Grant Length #2
2	Grant Length #3



REPORT

1	Field Code = 128
2	Queue Length #1
2	Queue Length #2
2	Queue Length #3

or

1	Field Code = 128
4	Grant Start Time
2	Grant Length #1
4	Grant Start Time
2	Grant Length #2
4	Grant Start Time
2	Grant Length #3

- Three levels of traffic classes are used for DBA