



Katrina, Iraq & Sudoku

**Deceptively simple ...
... Exceedingly Complex**

**SAME National Conference New Orleans, LA
31 May 2006**

Presentation by: Charlie Hess, VP Shaw E&I, Inc..

81 Squares, 9 Digits Straightforward Rules

- Simple ???
- Complex ???

5	3			7				
6			1	9	5			
	9	8					6	
8				6				3
4			8		3			1
7				2				6
	6					2	8	
			4	1	9			5
				8			7	9

3								4
		2		6		1		
	1	9		8			2	
		5				6		
	2							1
		9				8		
	8		3		4		6	
		4		1		9		
5								7

Why are these so hard??



Same Stuff ...

Different Day ...



The Technical Solutions are manageable...



... irrespective of geography!!!





But the “people” solutions are much more challenging!



So what are the real issues?

- **Expectations, Expectations, Expectations!!**
 - **Once created difficult (perhaps impossible) to revise.**
- **Leadership (at all levels) has to pull on the oars in the same direction.**
 - **Priorities, Objectives and Key Messages need alignment.**
- **When the damage occurs over an interval of hours (days) it is difficult to conceive that the solution will take years and billions of dollars (under the best of circumstances).**
- **Logistics is the long pole in the tent.**
- **Scalability of solutions is problematic – TT housing not optimal for catastrophic events.**
- **Local labor, local politics, and local involvement are essential whether its Baghdad or Baton Rouge!!**

The next “Big Issue”

