



# A New Team Approach?

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It's been two decades now since it first appeared, so is one of the foundation stones of modern road traffic collision (RTC) rescue, the *Team Approach*, still fit for purpose? Or, as rescue tools have evolved significantly since the concept first made its debut, has it too evolved into something very different? For those unfamiliar with it, the concept is a pretty much universally adopted RTC management tool which I first encountered in

the book *Advanced Vehicle Entrapment Rescue* way back in 1997, by arguably the father of modern extrication, Len Watson. Given that the concept is probably in its twentieth anniversary year, now would seem as good a time as any to review it. But before we do, let me say that the point of this article is not to convert anyone to a new *Team Approach*, but for you to re-familiarise yourself with one of the fundamentals of extrication rescue – a valuable exercise in itself –

and then perhaps to re-evaluate your own practices and teaching in that light.

### CONTEXT

This article assumes an initial and minimum five person fire service attendance –common in the UK but not necessarily so in the world in general and parts of north and south America specifically, where three and even two person crew single attendances are not uncommon. A well trained five-person crew can divide into three efficient

component parts capable of the simultaneous activity that will safely decrease rescue time: an Officer in Charge, a supporting crew of two and a tool crew of two. It further assumes that in order to work fully towards the holy grail of an RTC – a casualty centred rescue – that the same fire crew will also have a basic knowledge of medical rescue. This is vital if they arrive before the medical attendance – one of the two person supporting crew mentioned above would

Fig1 Traditional Team Approach Model	
Aim	Outcomes
1. Safety & Scene Assessment	Creation and maintenance of a safe working area, hazards identified and managed with control measures.
2. Initial Access and Stabilizations	Access gained to the casualty and stabilisation of both them and the vehicle(s).
3. Glass Management and Tool Preparation	Glass is removed and/or isolated and tool staging area set up out of likely extrication paths.
4. Space Creation	The creation of enough space to facilitate both the A Plan (main full space option for 'stable' casualty), but first the B Plan (rapid minimum functional space option if casualty deteriorates).
5. Full Access	The casualty has remained 'stable' and significant space has been created for a Casualty Centred Rescue – on a long-board and with no movement which could worsen the casualty's condition.
6. Immobilization and Extrication	The casualty's injuries are now fully stabilized and they are removed from the vehicle.

initially care for the casualty – and is equally important afterwards when they liaise with and support the medics in the extrication of that casualty.

### THE ORIGINAL TEAM APPROACH

There are a number of interpretations of the *Team Approach*, but needing a point of reference for this article, I'll be using the general version shown in the table above (Fig1.):

This is not a rigidly prescriptive sequence by the way, areas will overlap – but NEVER at the expense of rescuer safety – and may need to be temporarily taken out of sequence. For example accessing the casualty via purely manual vehicle stabilisation because of medical need, before formal stabilisation has taken place.

### A 'STABLE' TRAUMA CASUALTY?

However before we can look at the six stages above in more detail and also how their application may have evolved over the last two decades, it is important that we first define what we mean by a 'stable' trauma casualty. Arguably a person with such injuries must be seen as unstable until full surgical control of these has been gained in hospital. In the context of the *Team Approach* however, 'stable' can be taken

to mean that their rate of deterioration is likely to be sufficiently slow and uniform (as defined by the medical attendance), that there will likely be enough time to make the significant space required for a fully casualty centred rescue. But while of course being prepared for an 'Out NOW !' call from the same medic at any time ... And this last point of course raises the question of just where 'Extrication' should be introduced into a new team approach.



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# EXTRICATION

## EXTRICATE? WHEN ....

The first aim, *Safety (and Scene Assessment)*, will always come first as it must do. But once this is addressed then arguably 'Extrication?' should be flagged up straight after, because this is the earliest point at which rescuers can recognise and act on the needs of the casualty for immediate extrication. This is a 'Situation' and not a 'Casualty'-centred rescue, because it is the situation that determines our response and not the casualty's overall medical needs. This doesn't mean that we no longer work to prevent the worsening of existing injuries during the extrication, but the priority becomes eliminating the immediate threat to the casualty's life, which will almost inevitably require rapid and full 360 degree access to them.

The potential problem here, and it's a big one, is that the casualty may be physically trapped and so they are unavailable for immediate extrication! If so this is a dire circumstance. It happens, and will test the ingenuity of the crew and the capacity of their tool inventory as they move straight into a very rapid stage 4.



Here the S4 was driver door open and the S5 was just an enlargement of that space, the removal of the 'B' post and rear door on that side

## THE B & A PLANS, REDUNDANT TERMINOLOGY?

We now get to the original stages 4 and 5, *Space Creation* and *Full Access* respectively :

In our original model on the previous page, the aim of 4).*Space Creation* is to create enough space to allow the safe extrication of the casualty – effectively the B (emergency) plan - and that of 5).*Full Access* is the A-plan, (maximum space) the casualty centred rescue we all aim for.

As a trainer and when teaching this part of the Team Approach, although students would ultimately get the concept :

- stating that there were two stages...
  - ....and that at the same time there were also A and B plans...
  - and then finally what this meant in practice, particularly why B came before A...
- would initially confuse many students.

However, just stating the obvious :

- Stage 4 – Emergency Space Creation
- Stage 5 – Full Space Creation

... and without any B and A Plan subtext (it was no longer needed) was understood without issue and

was just an easier way of getting the information across.

## CASUALTY IMMOBILIZATION

Moving now to stage 6, taking the word Immobilization from the aim and putting it in the outcome would be logical on the grounds that that process is a part of simultaneous activity from the very first contact with the casualty and does not just occur at this stage, although it may conclude then.

## THE 7<sup>TH</sup> STAGE ...

The original *Team Approach* that I remember had only the six stages above, but there is – there must be - a seventh: the need to *Evaluate*. To formalise what's been learnt and to share this knowledge. And of course having a framework like the *Team Approach* to work with gives you a methodical tool with

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Training for an 'Out NOW' on-arrival situation

Because of this, trapped casualties notwithstanding, one aim of the two alternative stage 2s (see Fig2. 'A New Team Approach?') could read '*Initial Access and Extrication?*' This flags up that straight after the scene is surveyed and made safe, that extricating the casualty can now be attempted if necessary.

However, if the casualty is 'stable' then the other alternative aim for stage 2 is Initial Access and Vehicle and Casualty stabilisation. This is a consolidation point and will likely overlap with the following stage 3, Glass management and Tool Preparation. Nothing has changed here, these stages are part of necessary preparation for any successful casualty centred rescue.







Evaluation on scene, a 'hot' debrief

which to conduct consistent and valuable evaluations, gaining insights worth sharing. This works well as a part of training activities, but perhaps not so well after an operational incident, although some watches and stations do this and do it very well. The fact that evaluation was missing from the original *Team Approach* but was needed even then can be illustrated by the early days of extrication challenges, when fire depts/brigades would send a Watch or a group of keen individuals to compete. Although this was good for those individuals and the Watches they were associated with, there was a minimal wider benefit to the operational side of their service or more importantly to the public that that the fire dept/service served. Today most teams have 'Trainers' attached to them as coaches or are entirely made up of such Trainers, so that all the lessons learned from the idea's hothouse of practice and competing can be formalised and fed back into the their service's RTC training program. A formal way of doing this on a service/ dept-wide basis to harvest the experience gained at operational incidents would be of even more value ...

**SO HOW COULD ALL THIS CHANGE THINGS?**

If we incorporate all of the changes above, a new *Team Approach* would look like Fig 2 on the right. As with the original version, this is not a rigidly prescriptive sequence and areas will overlap as before. The difference here is not content – it's essentially the same approach – it's the visible acknowledgement that an extrication may need to be called very early on and also that it's a more literal rendering of events. To borrow a phrase from advertising : “it does exactly what it says on the tin”.

**CONCLUSION**

So there you have it. Is the original *Team Approach* still fit for purpose? Of course it is. Would there be a benefit in using the alternative model above? It may well make the thrust of the *Team Approach* a little easier to teach, understand and implement. But what undoubtedly is important is that we don't ever lose sight of these basics, however they might evolve, but that we return to them on a regular basis. As with the physical stabilisation of a car, having a current grasp of the fundamental concepts helps provide the necessary foundation of a successful RTC rescue and we ignore them not so much at our own peril, but at the expense of those that it is our duty to protect...

Fig2 A New Team Approach?	
Aim	Outcomes
1. SAFETY & SCENE ASSESSMENT	Creation and maintenance of a safe working area, hazards identified and managed with control measures.
2 ? INITIAL ACCESS AND EXTRICATE?	Casualty unresponsive, or with an immediately life threatening condition (compromised airway, major bleed, cardiac arrest, etc) – manual stabilisation of vehicle, rapid access and assessment – decision made whether to rapidly extricate (through initial access point door, hatch or window) or not.
2 ? INITIAL ACCESS AND STABILISATION	Access to and stabilisation of a 'stable' casualty and their vehicle.
3. GLASS MANAGEMENT AND TOOL PREPARATION	Glass is removed and/or isolated and tool staging area set up out of likely extrication paths.
4. EMERGENCY SPACE CREATION	Creation of a minimum safe space extrication path out of the vehicle (a Situation Centred Rescue), for when a previously 'stable' casualty deteriorates to point where 'Out NOW' is called by the medic.
5. FULL SPACE CREATION	Creation of a maximum safe space extrication path out of the vehicle (a Casualty Centred Rescue), where a 'stable' casualty is extricated in-line and with little or no movement of the cervical spine or the hips.
6. EXTRICATION	The casualty's injuries are now partially or more likely fully immobilized and they are removed from the vehicle.
7. EVALUATION	Formal evaluation of what has been learnt and sharing this knowledge with a much wider audience.



**About the author:**

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