One Minute Battle Drill #1

In the near-future, we will have vehicle situational displays where all friendly vehicles are displayed by a computer icon derived from automatic position reporting emitters in each vehicle, and a pen to write a concept sketch that could be transmitted to some or all of the other vehicles exactly like TV former football coach-turned analyst John Madden's "telestrator" except it will be done before the play as a "visual" instead of the radio created "audibles" we have been using to communicate battle commands since the creation of the radio.

But is our MENTAL awareness up to the task of using this "situational awareness"?

Do we think in terms of the magnetic compass at all times? Measure things in meters?

Its time for the "one-minute battle drill" as opposed to lengthy 30-minute "Tactical Vignettes" or "Tactical Decision Games" popular in U.S. Army ARMOR magazine and marine corps gazette. The Army leader will hear the situation in cardinal directions and magnetic degrees and he has 1 MINUTE to draw a concept sketch of what he is or is not going to do. This can be done on paper, or on a computer screen with telestrator pen, a button should change colors from enemy red to friendly blue for better communication of intent prior to transmission.

Ready?
PROBLEM

You are a Bradley Fighting Vehicle (BFV) Platoon Leader with 4 x M2A2 BFVs in the middle of a company team heading at a northerly 348 degrees up a dusty road in central Africa. Behind you are FMTV trucks filled with relief supplies. Ahead of you is a M1 tank platoon, lead vehicle with mine rollers, Combat Engineers in a stretched M113A4 MTVL behind them. The terrain off the shoulders of the road are "NO-GO" terrain for your vehicle. Off to your right, bearing 20 degrees and 100 meters away, you see 2 enemy T-72s dug-in, surrounded by enemy infantry.

SOLUTION

What do you do?

You have 1 minute to come up with your answer. In real life you'd have about 10 seconds.

Then explain WHY you chose your Course Of Action (COA).

AUTHOR'S 1 MINUTE SOLUTION A: use dismounted infantry to clear ambushers

Some might say these things are covered by SOP and "battle drills", those that say these things are creating an inflexible, predictable force an alert enemy will quickly ascertain a SOP and exploit to their advantage, time and time again until we realize to be unpredictable and bold.

My order:

"Contact right bearing 20 degrees, 100 meters. 2 tanks, dug-in infantry. All BFVs pivot right and get off the road so the convoy passes, engage enemy with all weapons. Drop ramp, dismounts flank wide right eliminate enemy flank security or cut-offs. Throw smoke when you reach enemy. Bradleys cease fire on friendly smoke."

WHY?
I chose to fix the enemy in place with my own BFV platoon. No time for supporting arms fire to be adjusted onto the enemy who is too "belt buckle" close to friendslies. No time to stop column and try to maneuver heavy tanks to engage ambushers nor GO terrain for them to go off road to attack ambushers. Stopping the column to create a sitting duck target is exactly what the enemy would want. So I pivot turned my BFVs (a feature only tracks can do) to face ambushers with least area to aim on and engaged with 25mm and 7.62mm fires, TOW shots at minimal range up to Gunners if they want to try it. Get my infantry out of the vehicles so they do not die if vehicles are hit.

Kill zone directly in front of the BFVs is likely to be mined with claymore-types shooting explosive metal balls and anti-tank mines for ambusher's self-protection. To avoid this and 25mm sabot particles, I flank dismounts WIDE RIGHT to threaten likely enemy security element and/or cut-off groups. I hop out of my BFV with my RTO to lead and direct 120mm mortars from M1064A3 carriers to help clear enemy ambushers.

**OUTCOME**

The outcome of the 1 minute battle drill is determined by the person running the drills, in this case the author. He has to look at the enemy and the friendly solutions and come up with a "guestimate" of how the action would have played out.

In my opinion, 1 of the BFVs would have been hit in the engine area and destroyed, but by being empty, no one dies and the crew bails out. The smoke from the burning BFV screens the other BFVs from further damage by enemy tank optically-aimed fires (we are lucky). BFV 25mm gunfire suppresses the T-72s and destroys their optics. The weight of the 25mm fire causes an internal turret fire in one. One BFV Gunner tries to fire a TOW ATGM at a T-72 but misses due to close range to arm/re-acquire sight picture after firing effects and frankly, a lack of prior training on this expensive missile system.

My dismount platoon slams into the enemy rear security element, deploys online and begins fire/movement with the M240 Medium Machine Gun Team on a tripod we had lugged into position cutting through them with murderous 7.62mm grazing fire. We finish them off with hand grenades. We proceed unscathed to the enemy's main ambush line. I shift MMG team forward to a mound on our left to fire into the ambush line and dug-in T-72s. I had chosen to take a M16 rifle/M203 grenade launcher into action and use it to reach the enemy with 40mm grenades, so I fire High Explosive shells into them while my men advance by Individual Movement Techniques (IMT). I fire a white star cluster over the enemy ambush and radio the BFVs to cease fire, turn on engine smoke and displace. I dart off to my maneuver squads and have them fix M9 wire-cutter bayonets and the lead squad leader throws a yellow smoke grenade directly onto the dirt mound of the nearest T-72. Our BFV fires stop. "Attack" I yell.

We charge firing our weapons and then plop down, continuing to fire. I yell to everyone to stay in their lanes, meaning to not cross over in front of their Soldiers on their left/right's firing arc.
The enemy throws smoke and begins running in a easterly 40 degree direction. I call to our 120mm mortars and give them a grid coordinate of our position from my hand-held Global Positioning System and tell them to adjust fire polar 200 meters beyond our position. I fire a white star cluster in the air overhead to where I want the mortar fires going and have them take a "visual" on it. Heavy Mortar rounds begin landing behind the enemy, I add some range and tell them to fire-for-effect.

We reach the first tank which is abandoned, the second is burning within its turret. I form a hasty 180 degree horseshoe around the tanks facing the direction the enemy is fleeing. I order search teams to get PIR from the bodies. I look at my watch. We have been on the ground at the ambush site for 10 minutes. Its likely enemy counter-fires (120mm mortars) could be landing on us any second. I yell "one minute" to the Squad Leaders to finish it up. Then order the squad leaders to bound back to the road, not to pursue the enemy. As 3d Squad bounds back, we receive enemy mortar fire and 2 men are hit; Specialist 4 Jones and Private Smith, the "Amigo Twins". Fortunately we had been training wearing body armor and they are not killed outright. I yell to everyone to get out of the kill zone back to the road, so the two men are fireman's carried (we did this for PT) back to the road.

Back at the road, the column had passed us by completely, stopping 200 meters ahead of us and forming a hasty cigar-shaped defense. I radio ahead to the M113A3 Ambulance to zoom back to our position to treat our wounded. Later I learn, Specialist 4 Jones bleeds to death through his femoral artery because 91B Medics are not trained to use clamps to stop arterial bleeding and do not carry whole blood in their like they used to in WWII to replace the blood that was lost until he could get medevaced to medical care where his severed artery could be sewn back together. He was just 23, his wife had just given birth to a baby boy and he had showed us all proudly her picture with him wearing his beloved black beret. He wasn't a "Ranger" but by goodness he was a Soldier and a human being who didn't deserve to die this day. A UH-60L Blackhawk medevac helicopter is called in to evac the other seriously wounded Soldier, Private Smith.

The convoy continues with us catching up minus one BFV to deliver the desperately needed food to feed the starving refugees.

EVALUATION

Clearly as a Junior officer, I am not in the position to change the force structure/composition of the Company Team/Supply convoy. However if I were;

I would send the Company Team in ahead of the supply convoy by about 30 minutes to clear the way ahead and spoil enemy ambushes in the style of the British Army. The Supply column would be protected primarily by a M1 tank in the lead and rear, with a BFV in the middle.

The Lead Company Team (-) would have its infantry in lighter (11 tons) , more cross-country mobile tracked M113A3s by placing Medics in HMMWVs. BFVs would be
interspersed in the column for use as machine gun tanks sans dismounting infantry. The 5 x M113A3s of my expedient light mechanized platoon would travel cross-country off the road shoulders ahead of the main M1/M2 body to run over and slam into the flanks of enemy ambushes. If we had this force structure and had encountered the T-72s on terms favorable to us, and then fixed them in place and sent M1s forward to dispatch the enemy tanks and not lost a BFV or any men because after clearing the ambush area, my men could have immediately remounted their M113A3s and been protected when the enemy mortar fires began landing. Specialist Jones would be standing tall with his newborn son and wife in his well-earned black beret.

Clearly, our convoy's survival had depended on the tracked vehicles in use being able to pivot steer, if we had wheeled armored vehicles instead that cannot turn on the spot, the ambush would have been fatal since the enemy would have had large, immobile targets to take flank shots before the infantry inside could even dismount.

1 MINUTE SOLUTION B: use 25mm close-range penetration power

An Armor officer writes in:

"White, White 1 action right. Two T-72s and infantry; Whites 3 and 4 left tank White 2 immediate suppression with AP rigt tank. Gunner AP two tanks, right tank. Black 6 White one engaging two T-72s to our Northeast out.

WHY?

100 meters should kill a T-72 with AP 25mm. If I stop and take time to deploy TOW, I will probably die. I don't have time to worry about support vehicles. Fight the battle first. Call to black 6 to let him know enemy contact made, and let him hold up FMTVs. This is an immediate contact. Once T-72s destroyed; follow-up with deploying infantry and flanking the surviving infantry while suppressing them with the Bradleys.

EVALUATION
Excellent COA if 25mm kills the T-72s.

1 MINUTE SOLUTION C: prevention via better tank coverage, air cover, and more BFV firepower

A Vietnam infantry officer writes:

"NO ONE in the advance saw 2 tanks?"

In the hot sun?

With infantry?

I'd have the lead tank turret facing line of march, the others would be left, right, rear in constant search mode, using everything (TTS, Mk-1 eyeballs, etc.) to look for any problems. The rear facing turret shuld be ready to support the convoy with HE or (by this time, please) APERS. Spacing the tanks and vehicles so dust can settle is critical, but the Team CO needs to do that.

No aerial recon of route of march? No AVN assets up high scanning for trouble?

This does sound typical of the U.S. Army in the FDH (Fat, Dumb & Happy) traveling on a road mode. I'd also use my BFV smoke dispensers to obscure my positions as I moved vehicles from the last known positions to make it less likely the T-72s get off a kill shot.

One thing I have advocated for years is the use of Hyper Sonic Kinetic Energy Rockets (HSKERs) for rapid anti-armor/bunker/strongpoint engagement. Mount them in a 7-tube rocket pod, on the opposite side of the turret from the TOWs, boresighted with the 25mm gun and elevated by the gun shield. Pure direct fire sabot rounds to smack things. With 7 and
a minimum rocket motor signature, the Gunner can blaze away until something goes "boom" downrange. Heck, in many situations, REMOVE the TOWs on half the BFVs and go with 17-tube HSKER pods.

WHY?

You have to understand that I'm a Vietnam vet, so road ambushs are something I think about. I have read about Ap Bac and Groupement Mobile 100, so I use everything I can to give my troops the edge. And it's also wise to remember I encourage prudent "field modifications" of vehicles and equipment by my subordinates, who have my backing 110% as a minimum; I do expect to be briefed and shown the mods beforehand, however. No one in their politically correct right little minds will ever make me a BNCO of a maneuver element.

Good little scenario and it does encourage junior leaders of all ranks to think ahead, so that surprise is what happens to the bad guys."

EVALUATION

Prevention is the best solution.

If not, then we need to exploit the BFV's TOW launchers/turret to employ massed rocket fire via 2.75" Hydra-70 rockets pods. This idea is something we've needed to do for years. Carlton Meyer as a marine officer, discovered Avenger HMMWVs could fit Hydra-70 rocket pods to make Air Defense Artillery (ADA) units help the ground fight but ADA school censored that idea. They'd rather stay safe and wait for non-existant enemy MIGs to show up. Ground launched rockets is still a good idea, and there is no reason why the BFV's right turret side couldn't be used in this manner.

1 MINUTE SOLUTION D: Skillful pre-arranged firepower

A M1A1 Tank Company Commander writes:

Great minds do think very much alike. My solution after only a few seconds was to give:

"Action, Right, 2 tanks, 25mm Sabot, Fire!...Redleg, this is White 6, Immediate Suppress AB1234, 2 Tanks, Danger Close."

WHY?

Admittedly, I did not go into the other actions you explained in your FRAGO. I know that at 100m, my TOWs are useless, but I can raise enough of a ruckus to wake the Tankers up and get them in the fight. At this point, the M1A1 (presenting easy flank shots to the T-72s) are at their most vulnerable. If I can fix the T-72s long enough, the Tank Platoon Leader's training should also have him pivot and attack by fire. He can pick up the Tanks by following my tracers. Head to head across the cover arcs, the M1A1 will win hands down.
(turning the T-72s into Swiss cheese).

Their are two forms of adaptation: Anticipation and Improvisation.

You raise a good point about getting out of the way of the convoy. Experience as a Support Platoon Leader and HHC Commander caused me to make a few assumptions about the TDG (and thus issue a very short FRAGO). First, part of the rehearsal was actions on an ambush. The security detail, (i.e. the Tanks and BFVs) were briefed and rehearsed to drop off the road as far as possible to let the convoy pass. The Mine Plow/Roller and the engineers have the responsibility for breaching the obstacles in the road ahead. Another assumption is that such action drills will automatically call for many of the actions you mentioned in your solution (i.e. smoke, dismounting the infantry, etc.). If these actions are not part of the plan or the crew/platoon drills, the rest I do by example.

I added an Immediate Suppress mission.

I have to put a "Quick Draw" fire mission on him to hit him from another angle and give him something else to think about (ambush the ambusher). If we did our homework before this convoy left, we plotted pre-planned targets with our supporting FA/Mortars and briefed them to train on each target in succession as we moved down the road. We placed these targets anywhere that might look like a good ambush site based on map or actual reconnaissance (we certainly should've picked out this spot in the road). This would give us responsive assistance once the Redlegs pull the lanyard. After the Immediate Suppress mission, we can adjust the fire or call it off once we get dismounts into the ambushers.

Safety? Although there is no doctrinally published "minimum safe distance" that I know of, The Battle For Hunger Hill (p. 205) states that MSD for 155mm is 50m. Firing this close is risky, but it will say something to an enemy that is counting on my "risk aversion" and hugging close to my belt to avoid my indirect fire. Indirect Fire in support of this TDG convoy was a BIG assumption on my part, albeit a safe one. Indirect Fire...Don't Leave Home Without it.

By quickly raining on the ambushers from the direct and indirect fire approaches almost simultaneously, I believe I can affect the moral part of my ambushers. In effect (as stated earlier) I've ambushed the ambushers from directions he may not have considered. The shock value of watching his plan fall apart in front of him should be enough to turn the tables. Now he will have to react to me rather than the other way around.

EVALUATION

Interestingly enough, taking time out to draw X's and O's on a computer screen would've been counter-productive in this situation. This situation called for action at the lowest level. If we go "too far" with Farce XXI and kill junior leader initiative, many LTs would answer "Mother-May-I?" By the way...why didn't the satellites or JSTARs pick up on this ambush?

1 MINUTE SOLUTION E: FOLLOW THE BOOK
2 Armor Captains write:

Okay Gentlemen.

Pay attention to the text, open your hymnals (FM 17-15, *The Tank Platoon*) to Page 3-2:

Audacity. At the platoon level, audacity is marked by violent execution of the mission and a willingness to seize the initiative. Knowledge of the commander's intent two levels up allows the platoon leader to take advantage of battlefield opportunities whenever they present themselves, enhancing the effectiveness of the platoon's support for the entire offensive operation.

Amen. You've been surprised. Now let's seize some initiative and take the fight to the enemy. Just how do you do that? Bear with me gentle reader, and I'll explain...

Advance in your workbooks to page 3-14

the four steps of actions on contact
The following four steps allow the platoon leader to execute actions on contact using a logical, well-organized decision-making process:

* Deploy and report.
* Evaluate and develop the situation.
* Choose a COA.
* Execute the selected COA.

Forget the word "ACTION" What you have here is a "contact." Get the guns on target, while continuing to move. Both sides of the road are no go, remember? Where are you going to action to? Are you trying to pick up your maneuver speed and close the gap to 100 feet? Best to get out of his kill sack as quickly as possible.

So, your radio traffic (as the Red 1 vehicle) should sound something like this:

***BOOM***

"CONTACT! Tanks/Troops Right Frontal, Fire!"

***BOOM***BOOM***BOOM***

You fight the platoon.

You've told your TC's to traverse right, engage the tanks and troops with a frontal firing pattern. Target assignments have already (better have already) been discussed in the platoon SOP/Frago, as part of a fire distribution plan. If you've really done your homework, your platoon is using a rolling FDP, where the PL is continuously setting sectors of fire and assigning responsibility for target types (troops, tanks, PC's, etc). While you are fighting the
PLT, the PSG is screaming on the Company net "CONTACT! TANKS TROOPS NORTH OUT!" (Initial Report, Target description, cardinal direction)

Okay. So your 10 seconds are up.

You've begun to take the fight to the enemy. Now, because the convoy is in danger, you can't stop. You can't even slow down, let alone dispatch the grunts. They'd get slaughtered as they poured out into the bright sun, nauseous, confused, and under fire. Instead, you fire your smoke grenade launchers, (which, at 100m, will have the added benefit of raining white phosphorus onto the enemy, screening your movement, and obscuring your positions) the tanks are now turning, having acquired your enemy, and are thumping HEAT rounds, .50 cal, and .240 into the enemy's flanks. (Sabot at this range, and in relation to you, would be too dangerous–the prudent tank PL would fire the battle carry and then switch. A 120mm sabot petal at close range would definitely not help.)

By now the commander is making decisions based on the tactical picture your PSG has painted for him: Size, Activity, Location, Time, Your Actions. Everyone wants to get into this fight, but it isn't going to take as long as you might think. Dismounting the infantry is a method, but you've got several issues to deal with:

1. You aren't leaning halfway out of your hatch to yell where you need him to go. You're fighting your BFV and Platoon.

2. If he deploys wide right, he'll end up to your flank and to the front of the company trains. When they see dismounted infantry, they'll likely assume it's an enemy assault, and fire at them... and into your flank.

3. Stopping to disgorge them helps the enemy achieve his purpose: Fix you in his kill sack. Just like when you are dismounted, the battle drill for a near ambush is wall of steel and get the hell out of Dodge. His likely target, however, is the trains, so you may not lose half your platoon in the enemy's opening volley. You will if you attempt to stop, drop the ramp, disgorge the grunts, (all the while unable to fire the TOW, unless you've disabled the safety switch). Oops, still can't shoot the TOWs, because there's too many troops in the back blast area.

Assumptions/Recommendations:

1. The convoy is spread out. The trains will need a minute to stop, take alternate route, etc. Either way, it's the Commander's call, and would have been briefed.

2. The convoy needs a front and rear security, so the Tanks can lead or follow, or the Bradleys can lead or follow (I'd use the tanks up front to hold his nose while the BFV's maneuvered on him) But Engineers probably wouldn't be my first choice for rear security

3. Hope is not a method. Wishing, praying, or hoping for weapons systems you don't have would do you no good. Whether it's rockets, missiles, Aviation, Artillery, light sabers or
cloaking devices, you've got an MTOE BFV platoon.

4. Can the bearing crap. Distance, Bearing, maneuver paragraphs, etc. Talking on the radio at this point only adds more confusion. If nothing else, actions are what you need. Your vehicle commanders, wingmen, everybody will focus on one thing after your contact report: Where your tracers are landing. They'll march to the sound of the guns, and come to help.

5. Watch your terminology. You decided to "fix" the enemy here. He's already pretty fixed, being dug in and all. Best you should "suppress".

Okay. He's blinded by your smoke salvos and spall from the 25mm DU Sabot. (Which will penetrate frontal armor on the T-72, I've done it in the Great Spades tournament of 1991). You are moving out of his kill sack QUICKLY. The Trains are holding or going elsewhere.

Notice I never mentioned Fire Support? A couple reasons: Even a great mortar hip-shoot takes about a minute. You really don't have the time unless you know your exact location at the time of engagement. You have to get fires cleared, even if it is the Commander's call. 100 meters is VERY dangerous close, especially if you'd dropped off your dismounts. But you probably just wouldn't get fires in time. Marking with a star cluster sounds great, but you're assuming that the mortars are able to see your target area—pretty unlikely.

Finally, my advice to the Infantry Platoon Leader of an M2A2 equipped Infantry platoon, you must remember this: Never, ever, Dismount. Audie Murphy, one of the greatest infantrymen ever, hated being a dismount so much he climbed on to a burning, disabled tank to fight the Germans. You are only degrading the effectiveness of your element when you are on the ground. You cannot monitor the Company net, so you can't see the big picture. You unnecessarily expose yourself, risking leadership of the platoon for your need to "get in the weeds." Your squad and team leaders know their jobs much better than you. You can maneuver them (and fight your platoon, both BFV and Dismount Squad) from the hatch. Let your FIST call the fires. Fight your platoon.

Of course, any action in this instance is good. A 50% solution is better than enemy tanks in your assembly area, and all that stuff.

Regards,

Speed and Power!

V/R

"If the tanks succeed, then victory follows." -Guderian, 1937.

EVALUATION

1. Good feedback, its what we need and is welcomed.
2. NEVER dismount? Why have infantry in the back, then?

How are you going to get the enemy infantry if they run away through terrain not passable by vehicles?

How are we going to track down and kill enemy infantry (terrorists) by staying MOUNTED in vehicles restricted to roads/defiles? How about just insuring the vehicles don't get ambushed and destroyed as what befell the Russian tank and mech infantry forces from 1979-1989 in Afghanistan?

3. By the book?

"The art of war has no traffic with rules, for the infinitely varied circumstances and conditions of combat never produce exactly the same situation twice. Mission, terrain, weather, dispositions, armament, morale, supply and comparable strength are variables whose mutations always combine to form a new tactical pattern. Thus, in battle, each situation is unique and must be solved on its own merits.

It follows, then, that the leader who would become a competent tactician must first close his mind to the alluring formulae that well-meaning people offer in the name of victory. To master his difficult art he must learn to cut to the heart of the situation, recognize its decisive elements and base his course of action on these. The ability to do this is not God-given, nor can it be acquired overnight; it is a process of years. He must realize that training in solving tactical problems of all types, long practice in making clear, unequivocal decisions, the habit of concentrating on the question at hand, and an elasticity of mind, are indispensible requisites for the successful practice of the art of war.

The leader who frantically strives to remember what someone else did in some slightly similar situation [Editor: through a Field Manual?] has already set his feet on a well-traveled road to ruin.

Every situation encountered in war is likely to be exceptional. The schematic solution will seldom fit. Leaders who think that familiarity with blind 'rules of thumb' [Editor: "NEVER dismount"] will win battles are doomed to disappointment. Those that seek to fight by rote, who memorize an assortment of standard solutions with the idea of applying the most appropriate when confronted by actual combat, walk with disaster. Rather it is essential that all leaders --from subaltern to commanding general--familiarize themselves with the art of clear, logical thinking. It is more valuable to be able to analyze one battle situation correctly, recognize its decisive elements and devise a simple, workable solution for it than to memorize every erudition ever written of war"

General (then Colonel) George C. Marshall, Infantry in Battle, September 1, 1938 pages 1 and 14

Think about it, Gentlemen!
SOLUTION F: Impromptu frontal assault

"tanks at 3 o'clock"

sabot

convoy haul A out of engagement area

Lancers move off road

Rifles dismount plt left

MGs section base-of-fire off road

squads flank with saw and 203 fire

call mortar fire for rear of EN pos

M1s scan for follow on forces

indirect fires two salvos

Rifles over run position, double tap and search

remount with Lancers

rejoin convoy-hit the road

the 19 D's and MP's can clean up the mess later.

Problems

--Our BFV's (early models) don't have the speed/power to get off the road on a 90 and move inland (would give time to dismount though)

--troops can jump on the run (advantage of the M2 ramp over the M113)

--Have to agree- as a mounted rifleman/dragoon/voltigur(hey it's a french word)/armour infantry man if you don't want us to dismount call the MP's or 19D's

--The point of decision is where your foot print is not what the thermal sight sees.

--The M1's are a show of force (you wanna mess with this?) up front

--The BFVs split in two sections so the Rifles can dismount and bust brush and cap heads.
--3rd world would be BFV as the tanks with M113's riding the Rifle elements around due to their better speed and off road abilities.

Robert (the beatenzone) Simon

EVALUATION

Lots of merit to the idea of a good frontal assault due to time.

Notice Major Richard Winters of "E" Co, 2nd BN 506th PIR, "Band of Brothers" fame liked to use a good frontal assault with a quality base-of-fire--and from there finding the critical points to exploit. A good frontal assault really isn't blatantly head-on at the enemy but directed at a weak spot, and has good suppressive fires.

Good job, Beaten Zone!

FEEDBACK!

What's YOUR 1-minute solution?

E-mail us your solutions: itsg@hotmail.com