# How a Field Artillery Advisor Team builds a Partner Force in Honduras

By: CPT Joseph Dang, SFC Quentrell Nelson, SSG Lemuel Blue, SGT Seth Wilbourne



Teniante Aguilar, 2nd FA BN Fire Direction Officer, demonstrates how he calculates the quadrant elevation using a Graphical Firing Table

# **Big Picture**

Honduras along with its western neighbors, El Salvador and Guatemala, form a geographic region commonly referred to as the North-Triangle. Decades-enduring ern struggles with violence, under-governed geographic regions, and corruption permeating department and national layers of government sap the country's resilience and impedes its ability to make measurable progress in elevating the population's standard of living beyond belabored and uncertain survival. Exacerbating these stressors, the devastation wrought by Hurricanes Eta and Iota in 2020, compounded by the crushing economic blow of the Covid-19 Pandemic have placed Honduras at a tipping point -where assistance efforts must produce lasting results in addressing its root causes of instability.

Contained within the Integrated Country Strategy for Honduras, enhancing the existing security apparatus within the region becomes an absolute necessity. The 1st Security Force Assistance Brigade, out of Fort Benning, Georgia, regionally aligned with U.S. Southern Command, providing this partner-building capability through its advisor teams which partner with host-nation forces. As part of this larger picture, Field Artillery Advisors build a partnership with the Honduran Artillery Forces; expanding their function to scale into the framework of Large-Scale Combat Operations (LSCO). Advisory efforts of this nature equip Honduran Commanders to develop reliable options in the contingency that the spectrum of competition edges towards conflict while also professionalizing the force structure at large. As part of this layered advisor effort, Field Artillery Advisor Team (FAAT) 1412 formed partnerships with the truly unique personalities of Honduras' three Field Artillery Battalions during their employment in Honduras from March through September 2021.

# Introduction

The Battalion Commander welcomes us to the Officer's Mess where we join him for a Honduran

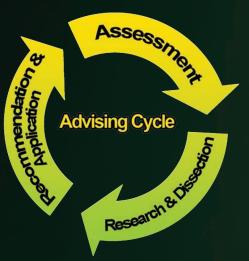
breakfast. His staff awaits us around aligned Sandinista regime in Nicathe dining table, and we take our ragua in the late '70s through '80s places behind our seats. Praying in brought the U.S. M102 and M198 Spanish over our meal, the Com- Howitzer systems into the country. *mander thanks God for our arrival* – Fielding these weapons along with that it was part of His ordained plan. U.S. advisors, bolstered Honduran Four U.S. advisors, three Honduran Field Artillery capability to present a Field Artillery Battalions; our story credible deterrent to any threat acis one of relationships formed over tor attempting to gain unwelcome Arroz con Frijoles, tortillas, games access through the most likely aveof volleyball, and training in Hon- nue of approach, the Choluteca gap duras' 108-degree heat. The pur- on the border with Nicaragua. After pose of this article in the recounting more than 40 years of elapsed time, of our six-month advisor employ- Honduran Field Artillery units once ment; is to convey what building a again meet US advisors. Partner Force looks like from the advisor's perspective.

## **Problem Set**

Honduras' Field Artillery Battalions augment the countries' already challenged police apparatus. Disciplined and largely trusted by the population, soldiers conduct and supervise the transportation of inmates, manage military checkpoints, traffic stops, and conduct patrols along the country's Frontera. As artillery units are not leading the current fight against the country's immediate transcontinental criminal organization threat-set, their warfighting proficiency takes second priority to pomp and circumstance. Honduran Armed Forces Day is punctuated by the artillery Battalions' live-Fire; where 105 mm and 155 mm Howitzer shells and Assessment 160 mm mortar rounds fly over a reviewing party, and hammer into visors draw out the Partner Force's Zambrano's impact area. Honduras' President, his cabinet, and all military chiefs of staff attend this display; which is purposed to highlight the discipline and power of the nation's armed forces. Although Honduran artillery units maintain a position of national importance; their competing mission requirements, rapid personnel turnover, and limited training time available present a challenge in maintaining (TTPs) in action, our team often their war-fighting edge.

# Enter the U.S. Advisor

As we established relationships with the Field Artillery Battalions, we saw equipment held together by sheer Honduran ingenuity and willpower. Enhancing artillery capability as a deterrent to the USSR *heat blanket; observing the Tropas* 



Beginning with Assessment, advisors enable their partner force's leadership to see themselves and assist through the Research step which informs their Recommendation and Application.

Beginning with Assessment, adcapabilities, limitations, challenge-sets, and their leadership's vision. This process forms the entry-point and can range from a sitdown engagement with a leader to a full-scale Battalion capabilities demonstration. As a function of personality, our team discovered that we were more inclined to hands-on learning. Observing and exchanging Tactics, Techniques and Procedures used Subject Matter Exchanges to gain a more complete assessment of our Partner Force units.

Relating back to our vignette with the 4th Field Artillery Battalion (FA BN), we conducted our unit assessments in Choluteca's 108-degree



The Advising Cycle revolves around not only the partner force's systems and processes, but equally around personality and relationships between advisors and partner force commanders.

and Sargentos emplace and employ their 160 mm mortar in a dry-fire exercise. The crews execute their battle drills with skill, discipline, and enthusiasm. The Battalion Commander directs us to his Fire Direction Center (FDC)- Central de Tiero. A Sargento demonstrates how he calculates Deflection and Quadrant for the Israeli-made 160 mm mortar. When asked what method he uses to account for Angle of Site, the vertical displacement between the mortar and the target, as the technique he is using appears unfamiliar. The Commander explains his Battalion's processes and asks what method we would use for this calculation. The advisor explains the method from FM 6-40 as it applies to an M777A2 firing high angle. Meanwhile, the other teammates are similarly engaged with the mortar crews on their laying procedures, explaining how they ensure their pieces are correctly laid on the Azimuth of Fire.

# **Research and Dissection**

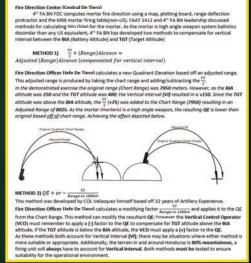
After the day's expiration, we make the four-hour drive back; physically exhausted by the heat, but more so mentally by questions occupying the problem-solving capacity of our team's 30 years of collective artil-

lery experience. What we found as the Research and Dissection Phase of the Advising Cycle is the most consuming. However, we have discovered that this phase is where advisors make the greatest gains by analyzing unit TTPs for efficiencies and vulnerabilities. This phase regularly extends beyond 72 hours. As a team, we deep-dive into the techniques observed and compare them to existing doctrine (the primary doctrine used by Honduran Artillery Forces is a Central American release of FM 6-30, 6-40 and 6-50 dated 1998 from the Security Cooperation Office).

Our team's research conducted in this manner illuminated vulnerabilities in two out of three Battalion FDC's Fire Mission Processing. A lack of procedural secondary-independent checks within the FDC and emplacement of the gun-line introduced an elevated risk for unmitigated and potentially disastrous error. We understood through this method of analysis, that the Honduran Field Artillery Battalions would need to train additional leaders to conduct checks, specifically at the crew and platoon level to ensure accurate transmission of data (Accurate Computational Procedures: 5th Requirement for Accurate Fires).

Research, utilizing the faculties and problem-solving of every Field Artillery MOS (13B, 13F, 13J, 13Å, etc.) proved to be instrumental when dissecting and researching the TTPs that our Partner Force uses. Although adapted from U.S. doctrine, Honduran TTPs have evolved based on their unit's limitations in training and manning as well as the use of non-U.S. equipment. An example of a modified TTP is the method that the 4th FA BN uses to compensate for the vertical interval (VI); vertical displacement between the firing unit and target elevation. As Honduras' geography is more than 80% mountainous there is always a vertical displacement between the firing unit and the target. In order to compensate for this, 4th FA BN adapted their own two methods to adjust the quadrant elevation and account for VI (See Figure). By understanding the Honduran methods

methods for Computational Procedures, we developed an appreciation and respect for their ingenuity. Since their weapon system is Israeli-made and ballistically dissimilar to the U.S.'s largest caliber mortar, there is no established method for certain Computational Procedures.



Above is an example of the results of the team's research gathered from observation in the field.

# **Recommendations and Applications**

Honduran Commanders have derived their own solutions – drawing from experience and their studied knowledge. This provides advisors a truly unique opportunity to employ problem-solving alongside the Partner Force Leadership and come up with recommendations to reduce vulnerabilities.

In our partnership with 4th FA BN, we understood that the greatest introduction of vulnerabilities were not the processes themselves, but the shortage of leaders within the formation who truly understood the steps of the process. During our observations, we studied how many leaders in the formation understood the Computational Procedures that they were responsible for. We discovered limitations in the number of FDC leaders that knew both of the Battalion's methods for calculation of site. Similarly, we discovered a limitation in the number of gun-line leaders that knew what checks to perform to ensure their weapons were correctly laid on the Azimuth of Fire. We found that the formations often had one leader who performed the function;

limiting depth and the ability to correct error. This discovery informed our application and recommendation to the Honduran Battalion Commander. Focusing on the fundamentals, we understood that for every Soldier that we were able to train to use a map and compass, we provided the Battalion an additional set of eyes to ensure that weapons were correctly laid on azimuth. For every crew we trained to understand the plan and the Commander's intent, we alleviated the Commander to plan the next operation concurrent to ongoing operations. Working together with the Honduran Battalion Commanders, we developed a module of instruction that incorporated map training and terrain navigation at entry-level and built into a Fire Support planning exercise for Combined Arms Offensive and Defensive Operations.

# Conclusion

As advisors, we are by default, problem solvers and by application, relationship builders. Our goal focuses on equipping our Partner Force's leadership with an outside perspective on what direction they can take their formation and employing feasible solutions to address finite capability gaps and vulnerabilities. We gain this perspective by taking in a detailed assessment of their unit's capabilities and practices, and by conducting vigorous research involving the full faculties of each team member's skillsets and experiences. This research involving the full faculties of each

team member's skillsets and ex- immersed in brainstorming soluthe advisor team to speak into the next engagements. Late into evesion-making. Over time, this sus- ourselves in our office space, retained engagement builds trust be- searching how to improve and retween the advisor and the Partner fine our instruction methods; reit-Force leadership. In our employ- eratively bouncing ideas off of one ment, we grew to know our Hondu- another. We honed our advisor apran partners as they grew to know proach to a razor's edge; even as us; our names becoming familiar we sought to reduce vulnerabilities personalities within their forma- within the Honduran formations. tions.

the members of our team, one of the Battalion Commanders asked, "Donde esta Sargento Azul?"

We explained that SSG Lemuel Blue had returned to the states to attend a Senior Leader Course, a professional development requirement for non-commissioned officers and would not be returning. A twinge of sadness colored his to expand their playbook to incorporate response as we both remembered options for the full spectrum of contin-SSG Blue's enthusiastic and inviting presence. Our advisors and the Partner Force leaders share in each other's challenges, victories, losses, and in reluctant goodbyes. During the engagement which functioned ing Drill Sergeant of Cycle, SFC Nelson as our team's parting with the Battalion, the Commander shared, "It has been an honor training with your team. You showed that you really cared about training our soldiers, sub-officials and officials well. It has been a blessing."

In the months we worked with the Honduran Field Artillery Battalions, we found ourselves completely



Advisors greet 4th FA BN on the first day of a three-week Subject Matter Exchange. Pictured from left to right; LT Romero (4th FA BN \$1), LTC Velasquez (4th FA BN CDR), Carlos Sierra (FAAT 1412 Linguist), CPT Dang, SFC Nelson, SSG Blue and SGT Wilbourne.

periences. This is what enables tions and recommendations for our partner-force Commander's deci- ning and weekends, we would find Initially, we set out to build capability. Through the advising cycle, Upon the early return of one of what we ended up building was a partnership.

### About the Authors:

Team Leader CPT Dang has served in the Army for nine years on both towed and rocket artillery systems. CPT Dang served as a Battery Commander for an M270A1 MLRS Battery in South Korea. CPT Dang's advisor focus remains on engagement with Partner Force leadership gency operations.

Assistant Team Leader SFC Quentrell Nelson has served in the Army for 10 years on M119A2 and M777A2 Howitzer systems. SFC Nelson served as a Senior Drill Sergeant at Fort Benning. Earndemonstrated incredible aptitude in developing and molding Soldiers. SFC Nelson's advisor focus is the establishment and enhancement of systems within the Partner Force.

SSG Lemuel Blue has served in the Army for nine years on the M119A3, M777A2 and M109A6 Howitzer systems. SSG Blue has advised Partner Force Commanders in Tunisia in the establishment of the Air to Ground Integration Schoolhouse enhancing joint Fires interoperability. Advising at the national level, he provided input to the Tunisian Artillery Commandant on how his formations could more reliably meet the Five Requirements of Accurate Fire, focusing on Accurate Target Location. His advisor focus engages and equips the trainers within each Battalion to incorporate the fundamentals of reconnaissance, planning, and resourc-

ing. SGT Seth Wilbourne has served in the server in 1-503rd Infantry Battalion (Airborne), out of Vicenza, Italy. SGT Wilbourne honed both his skills and versatility as a Fire Supporter through employments and exercises working with a myriad of Partner Forces in the European Theatre. SGT Wilbourne's advisor focus is to build the Partner Force's ability to gain an understanding of the terrain and the enemy and to achieve effects through Fires.