



Nomination Template for Commission Chair 2019-2022

Commission no.
Five (5): Positioning and Measurement

Nominee	
Name	Daniel R. Roman
Country	U.S.A.
Contact Address	1315 East-West Highway, SSMC3, N/NGS Silver Spring, Maryland 20910
E-mail address	Dan.Roman@noaa.gov
Age	53
Degrees and educational background	1985 - B.S. Geology from the University of Southern California 1993 - M.S. in Geodetic Science and Surveying from the Ohio State University 1999 - Ph.D. in Geological Sciences (Geophysics) from the Ohio State University (1999)
Employment history - current position - previous	Current - Chief Geodesist, U.S. National Geodetic Survey Previous - Chief, Spatial Reference Systems Division, NGS - Team Lead, Geoid Modeling, GRD, NGS
Positions of trust - current - previous	Current – US Representative to IAG SubCommission (SC) 1.3c – North American Reference Frame – US Representative to IAG SC 2.4c – Central and North American Gravity and Geoid – Associate Member of IGS – Delegate to UN Global Geospatial Information Management (UN-GGIM) – Delegate to UN-GGIM-Americas regional – Representative to UN Subcommittee on Geodesy (UN SCOG) for the Americas – US Representative to ISO TC 211 – US Representative to SIRGAS
Positions in FIG - current - previous	Current – WG co-Chair for Vertical Reference (5.3) – 2015 to present Previous – member of Reference Frames WG (5.2) -2011 to 2014



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Other activities in FIG	<ul style="list-style-type: none"> * Served as session chair and rapporteur for numerous FIG working weeks (2011 onward). * Acted as lecturer during FIG Sponsored and hosted Reference Frame In Practice (RFIP) seminars. These seminars are held before the start of a FIG working week or conference with an eye to educating the local surveyors. * Authored section on geoid models and vertical datums for FIG publication for RFIP. This document serves as a primer for surveyors and other professionals seeking further information on aspects of geodesy and surveying.
Field of surveying discipline	Physical and Geometric Geodesy; Datums and Reference Frames; geodetic infrastructure planning and maintenance
Nominees Statement:	
Why I want to be a Commission Chair and what I would like to achieve	I am heavily involved in the development of many aspects of the new global terrestrial reference frame and vertical datums. However, any reference frame or datum is inconsequential if it isn't actually used. As we move forward into a globalized era, I want to ensure that these are adopted and implemented by FIG members. It will fall to FIG members to conduct their work in this new global reference frame following appropriate techniques. As Chair for Commission 5, I would be in the best position to synergize these efforts so that surveyors around the world can evolve with these new efforts.
What I can offer to FIG in support of the aims and objectives of the Commission	I am active in IAG working groups developing global reference models for the terrestrial reference fame and vertical datum focused explicitly on refining the best means for Positioning and Measurement - the core of Commission 5's work. I also work in UN groups focused on providing the governance to implement these models globally, regionally and nationally. I am working with the ISO body tasked with developing the requisite standards and guidelines for use of these models. What I can offer to FIG and Commission 5, in particular, is the ability to influence the activities of those developing the models and providing the governance and standards. This will better ensure that FIG members can complete their work in the not too distant future as their industry undergoes a period of significant change.
My key skills	I have evolved over time from being merely a technically



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	<p>oriented researcher to a position of leadership and communication. I have worked in various capacities in the international environment for decades. I have experience in meeting deadlines, coordinating the efforts of others, and developing & implementing plans. I now serve as Chief Geodesist at the NGS. My Supervisor supports my desire to seek the position of Commission 5 Chair. She recognizes that our customers in the surveying community must eventually implement the technical work and governmental oversight that we develop. In particular, we must ensure that it is implemented in a consistent manner around the world and not just in the U.S.A. as a matter of global leadership. I believe that my skills and experiences highlighted above provide me both the technical skills to assess the work and the leadership skills to put it into practice.</p>
<p>Any other general comments</p>	<p>I serve as a delegate on a number of international NGO's as well as several InterGovernmental Organizations (IGO's). The USA is committed to the release of a modern reference frame and vertical datum in 2022. As we proceed through the steps necessary to achieve this, we at the NGS will be refining our understanding of how these must be implemented in various industries and professional associations. As Chief Geodesist at NGS, I oversee these efforts – keeping my Director informed of progress and challenges. Our experiences in this effort will provide key insights into the global effort at implementing updates to positioning techniques, training, and policies for all in the surveying community. I would like to share the hard won (or soon to be won) wisdom in these efforts with others members of FIG to facilitate this new paradigm. Finally, this position would also serve to focus on capacity building and training to ensure more coordinated regional and global frames.</p>
<p>Nominator</p>	
<p>Name of member Association</p>	<p>National Society of Professional Surveyors</p>
<p>Name and title of contact person</p>	<p>Curtis W. Sumner, LS Executive Director</p>
<p>Contact address</p>	<p>5119 Pegasus Court, Suite Q</p>



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	Frederick, MD 21704
Email address	Curtis.sumner@nspis.us.com
Nominator's statement	
Why the association wants to nominate Nominee	The work of Commission Five (5) is very important to NSPS and the surveying community. We believe that Dan's experiences through his role (currently that of Chief Geodesist) within NGS, as well as within FIG, make him the perfect candidate to lead the efforts of the Commission.
Support the Association can offer the Nominee (financial and other)	While Dan's employer has pledged to cover his travel expenses related to the position, NSPS stands ready to support him as needed. It's trust in his abilities allows NSPS to be supportive of Dan's leadership skills and decision making.
Any other comments	
Signed I hereby certify the above is true and correct	
Date	December 15, 2017
Nominee	Daniel R. Roman
Nominator	Curtis W. Sumner, LS