

NATIONAL PROGRAM OF ASSESSMENT **2021 NSCA MATRIX**

PC	PRACTICE MANAGEMENT AND PROFESSIONAL CONDUCT
1	Demonstrate understanding of the regulatory requirements and obligations pertaining to practice as an architect, including legislation, professional codes of conduct, and obligations for continuing professional development and professional indemnity insurance.
2	Be able to identify practice resources and apply practice methods and quality assurance systems within an ethical practice management framework to comply with and facilitate efficient, consistent and timely delivery of architectural services.
3	Demonstrate understanding of the principles of project planning, considering implications for Country, environmental sustainability, communities, stakeholders and project costs.
5	Demonstrate understanding of the essential elements of a client architect agreement across the range of procurement methods; and be able to explain appropriateness of different agreements in relation to scale and type of project, including alternatives for partial services and the engagement of secondary and sub-consultants.
6	Demonstrate understanding of appropriate processes for reporting and varying the scope of services provided by an architect.
7	Apply and follow processes for clear and consistent communication with clients and relevant stakeholders throughout the project, including obtaining approvals from clients and stakeholders.
8	Be able to implement culturally responsive and meaningful engagement processes that respect the importance of Country and reciprocal relationships with Aboriginal and Torres Strait Islander Peoples across architectural services.
9	Demonstrate understanding of contemporary and emerging building procurement methods. This involves identifying the most appropriate form of delivery for a project, including associated risks, mitigation and adaptation strategies, and integrating appropriate construction contracts and consultancy contracts and/or agreements.
10	Demonstrate understanding of the whole life carbon implications of procurement methods, materials, components and construction systems.
12	Provide independent, culturally responsive and objective advice in accordance with relevant building codes, standards, technical specifications and guidelines, and planning regulations, including climate change implications, across all aspects of architectural practice.
13	Be able to identify and apply strategies, programming and processes for documentation through all project stages to facilitate project delivery, as appropriate to selected procurement processes.
15	Comply with legal and ethical obligations relating to legislated requirements in relation to copyright, moral rights, authorship of cultural knowledge and intellectual property requirements across architectural services.
16	Be able to apply risk management and mitigation strategies – including safety in design, project risk, requirement for resilience from the impacts of climate change and appropriate insurances – across architectural services.

PC	PROJECT INITIATION AND CONCEPTUAL DESIGN
17	Have an understanding of Aboriginal and Torres Strait Islander Peoples' aspirations to care for Country and how these inform architectural design.
18	Be able to apply creative imagination, design precedents, research, emergent knowledge and critical evaluation in formulating and refining concept design options, including the exploration of three dimensional form and spatial quality.
19	Be able to identify, analyse and evaluate client project requirements and objectives using qualitative and quantitative methods and, where required by the terms of engagement, to assist cost estimators in determining project feasibility/viability.
23	Be able to prepare a return brief for approval by the client and relevant stakeholders in response to a client brief and any areas of deviation or non-compliance.
24	Be able to prepare and analyse project development options in response to a project brief – its objectives, budget, user intent and built purpose, risk and timeframes, including environmental sustainability considerations.
25	Be able to draw on knowledge from the history and theory of architecture as part of preliminary design research and when developing the conceptual design.
26	Be able to undertake site, cultural and contextual analysis as part of preliminary design research.
27	Understand how to embed the knowledge, worldviews and perspectives of Aboriginal and Torres Strait Islander Peoples, shared through engagement processes, into the conceptual design in a meaningful, respectful and appropriate way.
28	Be able to draw on knowledge from building sciences and technology, environmental sciences and behavioural and social sciences as part of preliminary design research and when developing the conceptual design to optimise the performance of the project.
29	Be able to develop and evaluate design options in terms of the heritage, cultural and community values embodied in the site, and in relation to project requirements.
30	Be able to explore options for siting a project, including integrating information and analysis of relevant cultural, social and economic factors.
31	Be able to identify, analyse and integrate information relevant to environmental sustainability – such as energy and water consumption, resources depletion, waste, embodied carbon and carbon emissions – over the lifecycle of a project.
32	Be able to apply planning principles and statutory planning requirements to the site and conceptual design of the project.
33	Be able to investigate, coordinate and integrate sustainable environmental systems – including water, thermal, lighting and acoustics in response to consultants' advice
34	Communicate conceptual design proposals and associated information to client, stakeholders and communities using appropriate and culturally responsive methods appropriate to different audiences
35	Be able to assess operational and embodied carbon implications of materials, components, construction systems and supply chains (including transport) to achieve net zero whole life carbon when developing design concepts. This includes integrating relevant consultant expertise and advising on the impact of chosen materials, components and systems on carbon outcomes.

PC DETAILED DESIGN AND CONSTRUCTION DOCUMENTATION	
36	Be able to apply creative imagination, design precedents, emergent knowledge, critical evaluation and continued engagement with Aboriginal and Torres Strait Islander Peoples to produce a coherent project design. This should be resolved in terms of supporting health and wellbeing outcomes for Country, site planning, formal composition, spatial planning and circulation as appropriate to the project brief and all other factors affecting the project.
39	Be able to integrate the material selection, structural and construction systems established in the conceptual design into the detailed design and documentation.
40	Be able to resolve and present a coherent detailed design solution within necessary timeframes to obtain client and stakeholder approvals.
44	Maintain effective and clear communication in the coordination of relevant consultants, manufacturers and suppliers as required under the terms of engagement.
45	Be able to nominate and integrate quality and performance standards with regard to selected materials, finishes, fittings, components and systems, considering the impact on Country and the environment, and the whole life carbon impact of the project. This includes integrating life cycle assessments and other expertise and advice from consultants.
46	Be able to produce project documentation that meets the requirements of the contract and procurement process and complies with regulatory controls, building standards and codes, and conditions of construction and planning approvals.
47	Be able to complete and communicate on-time, accurate documents for relevant stakeholders, including drawings, models, specifications, schedules and construction documentation

PC DESIGN DELIVERY AND CONSTRUCTION PHASE SERVICES	
48	Be able to select and implement project administration systems, based upon an assessment of the selected procurement method and its implications on project delivery.
51	Be able to provide advice to clients and lead (or contribute to) the process of selecting a qualified contractor in accordance with the agreed procurement method and construction contract.
54	Be able to monitor construction progress and quality as required under the provisions of the construction contract, which may include site visits.
55	Be able to apply appropriate and consistent systems for record keeping, document control and revision status during the construction phase.
56	Be able to apply appropriate and consistent systems for identification of defects, rectifications and approval of substitutions.
57	Be able to apply relevant processes required for certification of monetary progress claims, project variations, extensions of time, project instructions, and requests for information, practical completion or other administrative functions explicit in the selected procurement method and associated construction contract.
58	Complete documentation – including specifications, drawings, schedules, reports, certification and approvals – and other project information for issue to the client and relevant authorities, as required under the construction contract and relevant building and planning codes.